FARM MACHINERY COSTS

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Operating and Ownership Components

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FARM MACHINERY COSTS

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July, 1986

FOREWORD

Because the cost of owning and operating farm machinery is surpassed by only farm land costs in crop production, farmers need to carefully evaluate the options of renting, leasing, custom hiring and purchasing their farm machinery. The timing of when to trade, and the trade-in value of machinery and equipment also require careful consideration.

This publication is the seventh in a series of farm machinery reports published since 1972. Unlike previous reports, the average cash (sale) price was substituted for the average manufacturers' list price. Annual hours of use and years of life were also changed in many instances to bring them in line with current conditions, e.g. tractors, and tillage and crop equipment. Consequently, ownership and operating costs cannot be directly compared with previous reports. Despite these changes, the report does provide the most recent information on ownership and operating costs of most farm machinery commonly used in Western Canada, and a framework which farmers can use to evaluate machinery options.

Farm operators are advised to substitute their own numbers for those in the report which do not accurately represent their own farming operations. Should you have any questions or comments, please call Lloyd Andruchow at 427-4001.

DR. CARLYLE ROSS,
Branch Head
Production & Resource Economics

ACKNOWLEGEMENTS

We wish to express our sincere appreciation to the many distributors of farm equipment in Alberta for their co-operation in supplying us with the necessary 1985 price information. Their contribution has added to the representativeness and accuracy of machine costs as provided in this report.

Special acknowledgement is due to Mr. Norm Carruthers, Mr. Ave Spratt and Mr. Ron Goerz for their invaluable assistance in the preparation of this report.

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Lloyd J. Andruchow
Reynold N. Jaipaul

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SECTION I
FARM MACHINERY COSTS IN ALBERTA - 1985

INTRODUCTION

Land, labour, and capital are the productive factors farm managers employ in the operation of their farms. The variation in the amount and quality of these resources is reflected in the different levels of income farmers achieve. In this current period of weak commodity prices coupled with relatively high production costs, changes in the structure of farms is inevitable as farm operators try to maintain or increase their net income. Irrespective of the farmer's decision to diversify the operation to reduce risk and uncertainty, or to specialize to increase volume and quality, the change often involves a large outlay of capital.

Current statistics confirm that farmers are using more short and intermediate term credit either in the expansion or undertaking of new enterprises. Technological advances in farm machinery and equipment have made it possible to increase agricultural output while at the same time, reducing the amount of labour required. As other activities compete for labour traditionally used in agriculture, more dollars will be spent on mechanization in an attempt to increase income or hours of leisure.

The Production & Resource Economics Branch has published data and information on the operating and ownership costs of farm machinery commonly used in Western Canada since 1972. This publication is the seventh in a series of farm machinery reports and is intended to provide farm operators, research workers, extension personnel, bank managers, etc., with the most recent cost information relating to farm machinery. Also, this report should assist the farm manager in the allocation of limiting funds as it provides a framework for evaluating his machine options.

PURPOSE AND SCOPE OF THE STUDY

The purpose of this study is to present current costs of owning and operating farm machinery. Such information enables the farm manager to examine the options of leasing, renting, custom hiring and purchasing his farm equipment. An attempt has been made to analyze the economic aspect of farm machine use and to provide such data for all types of farm machinery that are currently being used in agricultural production.

The report has been divided into three sections, each of which emphasizes a particular aspect. Though interrelated, each section can be referred to separately for specific data or information.

SECTION I (Page 1) describes and discusses some of the basic concepts associated with cost analysis.

SECTION II (Page 25) is a sequence of tables containing estimated cash purchase prices and hourly costs of all agricultural equipment used in Western Canada. Each cost component can be identified separately as to the amount it contributes to the total hourly cost. The basis of all calculations for the cost tables in Section II are shown on page 26. The hourly costs for machinery in this study have been assumed to be applicable to Alberta conditions. Variations in cost due to particular regional characteristics or special operating circumstances are not considered. For this reason, it is intended as a quick reference for:

1. farm operators who wish to compare the cost of different machine types and sizes;
2. research groups involved in studies of production costs, resource use and comparative advantage;
3. extension personnel and credit managers who maintain close contact with farmers and who are later called upon to evaluate credit requirements, the profitability of adding enterprises or expanding existing ones, estimating values of used equipment, etc.

SECTION III (Page 123) provides a listing of farm machinery options and their respective prices. Tables displaying data on machine operation efficiencies and field performance are included in this section. An explanation on axial and conventional combine classifications is also provided.

SOURCE OF DATA

Machinery Prices

The prices shown in Section II of this study are the average cash prices for JUNE, 1985, (less a sales tax) quoted by major manufacturers and distributors who sell farm equipment in Alberta. Different from previous studies, the cash price approach was used as opposed to the retail list price approach in order to reflect more accurately the actual prices that were being paid by Alberta farmers. With the current cost-price squeeze facing farmers and decreasing net income , list prices are being discounted significantly in an effort to make new equipment purchases more affordable. Using a list price approach to calculate ownership costs especially during these economic times could overstate the actual costs by more than two fold.

Included in the average cash price is the cost of transportation from the place of manufacture to the major distribution points in Alberta. The data gathered was based upon current costs and have been used to update the "1982 Farm Machinery Costs" publication. Since 1982, some machines have remained relatively unchanged due to:

1. old stock being offered for sale;
2. discontinuation of production for some manufacturers.

As a cautionary note, prices in this publication cannot be compared with that reported in previous publications as the number of manufacturers used in the averaging has changed due to the discontinuation of certain lines and/or sizes of equipment. Listed in Table 1 are the rail and truck freight rates from American and Canadian factories to major

distribution points in Alberta. In the case of units which could not be loaded to minimum cargo weight higher freight rates were charged.

Cost Data

In developing the hourly cost schedules, consideration was given to past and recent publications, as well as, research bulletins from Canada and the United States which dealt with this subject. Differences in quality of machine, type of land, degree of care and maintenance, etc., all have an influence on hourly machine costs. The data presented should be used as an "up-to-date" guide and modified to fit local conditions where more specific information is available.

FIXED COSTS

Fixed costs or ownership costs include depreciation, interest on investment, taxes, insurance, and housing. These are mainly a function of time rather than annual use. Hourly fixed costs can be reduced by increasing the number of hours used per year or the total number of years of ownership.

Depreciation

Depreciation is defined as the loss in value of an asset with use and time. Although the actual depreciation can never be known until the equipment is sold, an estimated depreciation can be predicted from any of several methods. Even though it is recognized that wear contributes to depreciation no reliable data is available as to how much varying amounts of use contribute to depreciation. Depreciation of this nature, however, would be a variable and not a fixed cost.

TABLE 1

RAIL AND TRUCK FREIGHT RATES ON AGRICULTURAL IMPLEMENTS[1]

(1) RAIL:

Origin	Minimum Weight	Destination			
		LETHBRIDGE	CALGARY	EDMONTON	GRANDE PRAIRIE
	lbs.	Rates in ¢ per 100 lbs.			
Cedar Rapids, Ia.	50,000	826	849	871	1054
Moline, Ill.	50,000	856	879	901	1084
New York	50,000	1167	1190	1212	1395
Winnipeg	30,000	679	711	679	931
	50,000	618	648	618	849
	60,000	603	632	603	828
Toronto	24,000	1082	1074	1074	1277
	30,000	1025	1017	1017	1209
	50,000	933	927	927	1102
	60,000	910	905	905	1075
(2) TRUCK:					
Goderich, Paris, Ontario	25,000	2385	2385	2385	
	30,000	2039	2039	2039	
	40,000	1912	1912	1912	
	45,000	1810	1810	1810	

1) Source: Rail and Truck Tariffs

The loss in value of a machine can simply be represented by the following formula:

$$\text{Depreciation overtime } t = \frac{V_1 - V_2}{t_2 - t_1}$$

where t = time expressed in hours or years

$V_1 - V_2$ = decrease in value expressed in dollars over the time period $t_2 - t_1$

$t_2 - t_1$ = total hours or years elapsed from time of original value (V_1) to end value (V_2).

In crop production accounting, depreciation costs expressed in dollars per acre or per hour are spread evenly over the accumulated use of the equipment. Remaining value formulae have been developed from a knowledge of used equipment values. Results of research work in the United States to determine actual depreciation rates for farm machinery appear in two publications:

1. Official Tractor and Farm Equipment Guide, published by the National Farm and Power Equipment Dealer's Association.
2. National Farm Tractor and Implement Blue Book, published by National Market Reports, Inc.

The formulae developed include the use of a first year correction factor to account for the sharp drop in value during the first year of ownership due to obsolescence.

For the purpose of the study, these formulae were assumed to represent the depreciation rate for farm machinery in Alberta. The following table shows the remaining farm values of machinery as a percentage of original purchase price for a 20 year ownership period. These relationships are also illustrated on page 8 Figure 1.

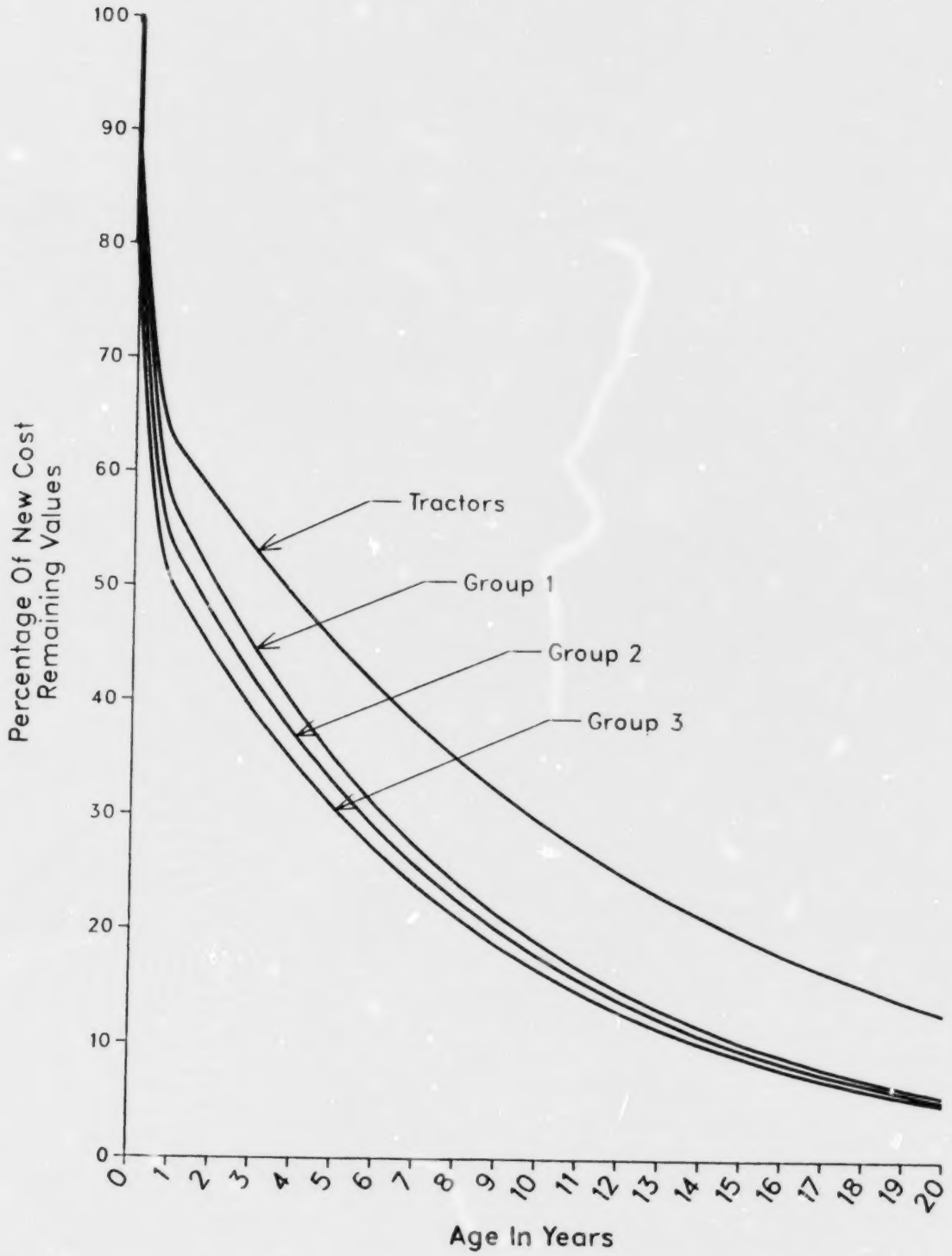
TABLE 2

REMAINING FARM VALUE AS PER CENT OF NEW COST

End of Year	Tractor	Group 1	Group 2	Group 3
1	62.3	56.6	53.1	49.6
2	57.6	50.1	47.0	43.9
3	53.0	44.4	41.6	38.8
4	48.7	39.3	36.8	34.4
5	44.8	34.7	32.6	30.4
6	41.2	30.7	28.8	26.9
7	37.9	27.2	25.5	23.8
8	34.9	24.1	22.6	21.1
9	32.1	21.3	20.0	18.6
10	29.5	18.9	17.7	16.5
11	27.2	16.7	15.7	14.6
12	25.0	14.8	13.9	12.9
13	23.0	13.1	12.3	11.4
14	21.2	11.6	10.8	10.1
15	19.5	10.2	9.6	9.0
16	17.9	9.1	8.5	7.9
17	16.5	8.0	7.5	7.0
18	15.2	7.1	6.7	6.2
19	13.9	6.3	5.9	5.5
20	12.8	5.6	5.2	4.9

FIGURE 1

REMAINING VALUES FOR FARM MACHINERY



TRACTORS:

Garden Tractors
2-Wheel Drive
4-Wheel Drive

GROUP 1 INCLUDES:

Combine
Combine Pick-up
Irrigation System
Irrigation Main Line
Pipe Trailer
Pumping Unit
Swather
Wagon
Skid-Steer Loader

GROUP 2 INCLUDES:

Air Seeder
All Terrain Vehicle
Anhydrous Applicator
Bale Mover
Bale Wagon
Bean Cutter
Beet Defoliator
Beet Harvester
Beet Thinner
Beet Topper
Beet Top Saver
Cattle Squeeze
Chisel Plow
Cultivator:
- Field
- Noble Blade
- Row-crop
- Vibrashank
Disc
Discer
Ditcher
Dozer Blade
Drills
Engine: Air-Cooled
Electric Motor
Forage Blower
Forage Blower Processor
Forage Chopper
Garden Tractor Attachment
Generator
Grain Dryer
Granular Herbicide Kit
Harrow
Harrow Drawbar
Hay Stacker
Hydraulic Loader
Land Leveller
Land Scraper
Motorcycle
Mower
Mower Conditioner
Packer
Packer Drawbar
Planter:
-Potato
-Sugar Beet
-Corn
Plow
Post Hole Digger
Post Driver
Potato Harvester
Potato Piler
Potato Scooper
Potato Seed Cutter
Pulvi mulcher
Rake
Rock Picker
Rock Windrower
Rod Weeder
Rotary Cutter
Rotary Tiller
Silage Loader
Snow Blower
Snowmobile
Sprayer:
-Field
-Row-crop
Spreader:
-Fertilizer
-Manure
Stubble Treader
Sub-soiler
Three Wheel Bike
Truck
Truck Box
Truck Hoist

GROUP 3 INCLUDES:

Baler
Bale Elevator
Corn Header
Drill Fill
Forage Box
Forage Harvester
Grain Auger
Grinder/Mixer Mill
Hay Stacker
Hay Stack Mover
Mixer/Feeder Wagon
Pneumatic Grain
Mover
Roller Mill
Tub Mill

REMAINING VALUES FOR FARM MACHINERY

Tractor = $[68(.92)^n]/100$ X New Cost
Group 1 Implements = $[64(.885)^n]/100$ X New Cost
Group 2 Implements = $[60(.885)^n]/100$ X New Cost
Group 3 Implements = $[56(.885)^n]/100$ X New Cost

Depreciation Estimates For Farm Machinery

Tractors = $(100-[68(.92)^n]/100$ X New Cost
Group 1 Implements = $(100-[64(.885)^n]/100)$ X New Cost
Group 2 Implements = $(100-[60(.885)^n]/100)$ X New Cost
Group 3 Implements = $(100-[56(.885)^n]100)$ X New Cost

In Section 2, depreciation charges were calculated for the expected useful life. The results obtained approached the straight line method of depreciation where:

$$\text{Avg. Deprec. per Hr.} = \frac{\text{Initial Cost - Salvage Value}}{\text{Years Useful Life x Avg. Hrs. per Year}}$$

Interest

Interest costs occur in two forms and must be considered in the ownership of farm equipment. Whether machines are purchased on borrowed funds or for cash, interest costs will apply. Firstly, the cost of financing a machine purchased on credit will be most important as these costs are paid by the machine owner. The current interest rate used for financing farm equipment is 12.0 per cent. Secondly, machines can be purchased for cash resulting in no actual interest costs being incurred. However, by tying up money in fixed assets, the owner has committed money that could otherwise earn a guaranteed premium if invested in an alternative use. An interest rate usually associated with opportunity cost is the return on low risk investment such as interest earned on government bonds. The current investment rate used for opportunity cost calculations is 9.0 per cent.

Example: A 150 H.P. tractor was purchased for $64,791 and kept for 10 years. After this period the tractor would have a trade-in value of $19,113. A 25 per cent down payment is required with the balance financed over 6 years at a rate of 12 per cent. The return for low risk investment is 9 per cent. Calculations are shown in Table 3.

TABLE 3

CALCULATION OF LOAN INTEREST AND OPPORTUNITY COSTS FOR A TYPICAL FARM TRACTOR

Age of Tractor	Book Value	Market Value (Inflation Adjusted)	Equity Payments	Deprec.	Interest	Equity	Opportunity Cost
			-Dollars				
0	64,791	--	16,198	--	--	--	--
1	40,365	42,787	8,099	24,426	5,831	2,293	206
2	37,320	41,933	8,099	3,045	4,859	9,538	858
3	34,339	40,898	8,099	2,981	3,887	16,602	1,494
4	31,553	39,835	8,099	2,786	2,916	23,638	2,127
5	29,026	38,837	8,099	2,627	1,944	30,739	2,767
6	26,694	37,865	8,099	2,332	972	37,865	3,408
7	24,556	36,922	--	2,138	--	36,922	3,323
8	22,612	36,039	--	1,944	--	36,039	3,244
9	30,798	35,128	--	1,814	--	35,128	3,162
10	19,113	34,228	--	1,685	--	34,228	3,081
TOTAL			64,791	45,678	20,409		23,670

The example is included to show how the principle of opportunity cost can be applied to machinery ownership. As the money required to purchase the tractor was borrowed and financed over a six year term, interest payments to the bank totalled $20,409. Interest costs are treated as an annual fixed expenditure and if considered necessary in making the purchase possible, may be included in the calculation of equity. However, equity as calculated in Table 3 approaches the market value concept and at any point in time is based on the market value of the tractor adjusted by an assumed inflation rate of 6 per cent less the total amount owing. Thus, the equity in the tractor at any point in time equals the market value of the tractor less the accumulated loan payments remaining. For example, the equity in the tractor after year 3 equals (40,898) - (8,099 + 8,099 + 8,099) or $16,601. Since you have $16,601 tied up in the tractor which can be invested in an alternative use, an opportunity cost can be applied. Hopefully, the returns from using the tractor would offset the opportunity cost. Equity in the tractor reaches its maximum at the end of year 6 at which time the last principal and interest payments are made. Total bank interest paid during the term of ownership is $20,409 while the opportunity cost on the equity totals $23,670. If the tractor is used 600 hours per year, the average hourly interest cost over the 10 year period is $7.35.

In Section 2, interest costs are calculated on the basis of the average value of the machine during the ownership period. Remaining value figures as a per cent of new cost are listed in Table 2 for the four different classes of farm equipment. The interest rate used was 12.0 per cent which represented the average rates charged by lending institutions for intermediate financing.

Insurance

Insurance on equipment is necessary to protect machinery owners against hazards such as fire and accidents. Numerous insurance policies are available with varying degrees of coverage. The average rate charged in June/1985 was $0.273 per $100 value. In Section 2, insurance costs were calculated at this rate on the average value over the estimated life.

Housing

Housing costs are the result of having machine sheds for storage and shelter. Whether these buildings are present on a farm or not, a charge for housing is justified since without them weathering and deterioration will increase repair rates. Since housing costs are dependent on space requirements rather than the value of the machine, present day building costs (shown in Table 4), were determined and applied to each machine listed in Section 2. The cost used was $0.603 per square foot.

TABLE 4

CALCULATION OF ANNUAL BUILDING COSTS
AUGUST, 1985

Type	Metal Straight Wall	Metal Quonset	Wooden Arch Rib
Size (ft)	40 x 100	40 x 100	40 x 100
		$	
New Cost per Sq. Ft.	7.12	5.50	5.23
Total Cost[1]	28,480	22,000	20,920
Average Value	14,240	11,000	10,460
Interest at 12%[2]	1,708.80	1,320.00	1,255.20
Depreciation (30 years)	949.33	733.33	697.33
Repairs[3]	56.96 (.2%)	44.00 (.2%)	209.20 (1%)
Insurance[4]	(34¢/100) 99.68	(35¢/100) 77.00	(40.7¢/100) 85.14
Total Annual Cost	2,814.77	2,174.33	2,246.87
Annual Cost/Sq. Ft.	.704	.544	.562
AVERAGE		.603/sq. ft.	

1 Total costs includes concrete footing, 14' x 20' sliding door, entry door, 2 louvers and erection costs.

2 Interest rate is an average of rates from different lending organizations: Farm Credit Corporation, Alberta Development Corp., and Chartered Banks.

3 Repair costs are significantly higher for the wooden arch rib; asphalt shingles will be replaced at about the 15-year life stage, thereby reflecting a 30 year life.

4 Insurance rates used apply to unheated buildings with coverage including fire, windstorms, hail and explosions.

VARIABLE COSTS

Variable costs or operating costs include fuel, lubrication, repairs and maintenance. These costs are a function of use and increase at a constant or varying rate with hours used per year. Due to wear, part failures and accidents, repair and maintenance costs generally increase at an increasing rate with the age of the machine.

Fuel

Fuel consumption for tractors was based on the Nebraska test data. For all classes of tractors in Section 2, the fuel consumption was calculated at 75 per cent of pull at maximum power. This load gives the best fuel efficiency under field conditions and can be estimated by the following formulae:

Diesel Tractors, Gal./Hr.[5] = 0.0474 x Max. PTO HP
Gasoline Tractors, Gal./Hr. = 0.0741 x Max. PTO HP
Propane Tractors, Gal./Hr. = 0.0889 x Max. PTO HP

For crawler tractors, fuel consumption per hour is 105 to 115 percent greater than four wheel tractors.

Fuel prices assumed in the study were $1.15 per gallon (25.3¢ per litre) for diesel, $1.20 per gallon (26.4¢ per litre) for gasoline and $1.07 per gallon (23.6¢ per litre) for propane. When calculating irrigation equipment cost, natural gas was priced at $2.67 per thousand cubic feet and electric power at 5.30¢ per kilowatt hour.

Fuel consumption for other power equipment was estimated by adjusting the rated motor horsepower to that of the appropriate tractor size. Reference was made to the actual machine specifications for confirmation of results.

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5 Imperial gallons.

Lubrication

Lubrication is the cost of oil, grease, filters, etc. For tractors this was assumed at 15 per cent of fuel cost.[6] For non-power equipment such as tillage equipment, lubrication costs were established with reference to previous studies. The increasing use of sealed bearings has actually reduced the amount of grease required to lubricate many farm implements.

Repairs

Repair and maintenance costs include all parts, labour and workshop facilities required to keep machinery in efficient operating condition and to maintain its usefulness and reliability up to and perhaps beyond the estimated life. In this study, the assumption was made that increased usage would result in higher repair rates and costs rather than greater depreciation. Theoretically, if two machines of the same type, model etc., were operated under similar working conditions, they should be evaluated at the same price at the end of the same time period, even though one had been used twice as many hours as the other. The reason for this is that the machine that was used twice as much will have been repaired to make it as reliable as the other one.

In addition to the problem of predicting actual repair rates over the life of a machine, there are difficulties in establishing when and how much is spent on repairs at different intervals of the machine life. For this reason, discrepancies occur when rigidly applying predetermined repair rates to actual machines. For example, it is often the case that a machine is traded just before a major overhaul is necessary. If a repair rate were determined at this time from the beginning of the ownership period, it would be much lower than expected. Unless the

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6 ASAE Farm Machinery Management Committee: Farm Machinery Costs and Use; p. 279-283; Agricultural Engineers Yearbook; American Society of Agricultural Engineers: St. Joseph, Michigan; 1970.

dealer performs the overhaul and adds the costs to the price of the used unit, the result will be a value that is less than the value of a similar machine with fewer working hours.[7]

Although there will always be difficulty in predicting repair costs for the many types and models of machines, a number of comprehensive research studies have been completed in the United States during the past decade which give guidelines for average rates and amounts spent on repairs. These studies involved collecting actual farm costs data on accumulated repairs and relating this to accumulated hours of use. Cost curves and equations were thus developed for many different types of machines. As expected, repair rates increased with use and age. With reference to Table 5, the total accumulated repair cost for a 4-wheel drive tractor used for 10 000 hours is estimated to equal 100 per cent of new cost.

TABLE 5

TOTAL ACCUMULATED REPAIRS FOR FARM TRACTORS AND IMPLEMENTS

	EQUATION #	ESTIMATED WEAR-OUT LIFE HOURS	T.A.R. (%)	MACHINE TYPE
1.	$0.00125(x)^2$	20 000	50	Irrigation Systems.
2.	$0.010(x)^2$	10 000	100	4-Wheel Drive Tractor.
3.	$0.012(x)^2$	10 000	120	2-Wheel Drive Tractors.
4.	$0.012(x)^{2.1}$	2 000	50	Self-Propelled Combine: Conventional and Axial.
5.	$0.096(x)^{1.4}$	20 000	60	Irrigation Mainlines, Pumping Units, P.V.C. Pipes.
6.	$0.12(x)^{1.8}$	2 500	60	Self-Propelled Forage Harvester, Self-Propelled Swather.

7 For a discussion of "Field Machine Repair Patterns: refer to Puzey, George A. and Hunt, Donnell; AWAE Annual Meeting, Paper No. 66-673; December, 1966.

TOTAL ACCUMULATED REPAIRS FOR FARM TRACTORS AND IMPLEMENTS - Cont'd

	EQUATION #	ESTIMATED WEAR-OUT LIFE HOURS	T.A.R.	MACHINE TYPE
7.	$0.14(x)^{1.8}$	2 000	50	Forage Blower, Forage Blower Processor, Forage Chopper, Pneumatic Grain Mover.
8.	$0.14(x)^{2.3}$	2 000	70	Corn Header (Combine and Forage Harvester) Rock Picker, Rock Windrower, Combine Pickup.
9.	$0.16(x)^{1.3}$	2 000	40	Air-Cooled Engine, Grain Augers, Post Augers, Bale Elevator, Bale Elevator Extension, Dozer Blade, Cattle Scale, Cattle Squeeze, V-Ditcher, Packer, Packer Drawbar, Drill Fill, Post Driver, Grain Dryer, Electric Motor, Standby Electric Generator.
10.	$0.16(x)^{1.3}$	2 000	40	Truck Hoist, Hydraulic Loader, Land Plane, Silage Loader (High Dump), Manure Spreader (Liquid and Beater), Post Driver, Motor Cycle 3-Wheel Bike, 4-Wheel Bike, All Terrain Vehicle, Snowmobile, Rodweeder, Land Scraper, Transport For Bale Elevator, Pulvi Mulcher, (Triple"K"), Vibra Chisel.
11.	$0.18(x)^{1.7}$	2 000	60	Stubble Treader, Discs (Off-Set & Tandem), Discer.

TOTAL ACCUMULATED REPAIRS FOR FARM TRACTORS AND IMPLEMENTS - Cont'd

EQUATION #	ESTIMATED WEAR-OUT LIFE HOURS	T.A.R.	MACHINE TYPE
12. $0.18(x)^{2.3}$	2 000	90	Combine-Pull-Type.
13. $0.19(x)^{1.3}$	3 000	80	Bale Mover, Bale Wagon, Forage Box, Skid-Steer Loader, Hay Stack Mover, High Dump Silage Wagon, Garden Tractor, Truck, Grain Box, Wagon, Mixer /Feeder Wagon, Pipe Trailer.
14. $0.19(x)^{1.4}$	2 500	70	Sugar Beet Harvester, Potato Harvester, Potato Scooper.
15. $0.20(x)^{1.6}$	2 000	60	Granular Applicator Attachment, Bean Cutter
16. $0.22(x)^{2.2}$	2 000	100	Row-Crop Cultivator, Ridger, Deridger.
17. $0.23(x)^{1.4}$	2 000	60	Sugar Beet Topper, Potato Seed Cutter, Potato Tube Piler, Sugar Beet Defoliator.
18. $0.23(x)^{1.8}$	2 000	80	Baler, Hay Stacker, Forage Harvester - Pull -Type, Roller Mill, Grinder/Mixer Mill, Swather -Pull-Type.
19. $0.26(x)^{1.4}$	2 000	80	Mower Conditioner (Pull Type and Self-Prop.).
20. $0.30(x)^{1.4}$	2 000	80	Field Cultivator, Noble Blade. Vibrashank, Harrow Drawbar, Harrow Sections, Harrow Sets, Anhydrous Ammonia Applicator.
21. $0.36(x)^{2.0}$	1 500	80	Garden Tractor Attachments: -Snow Blower -Rotary Tiller -Mower.
22. $0.38(x)^{1.4}$	2 000	100	Side Delivery Rake
23. $0.35(x)^{1.3}$	1 500	70	Sprayer - Row Crop - Field.

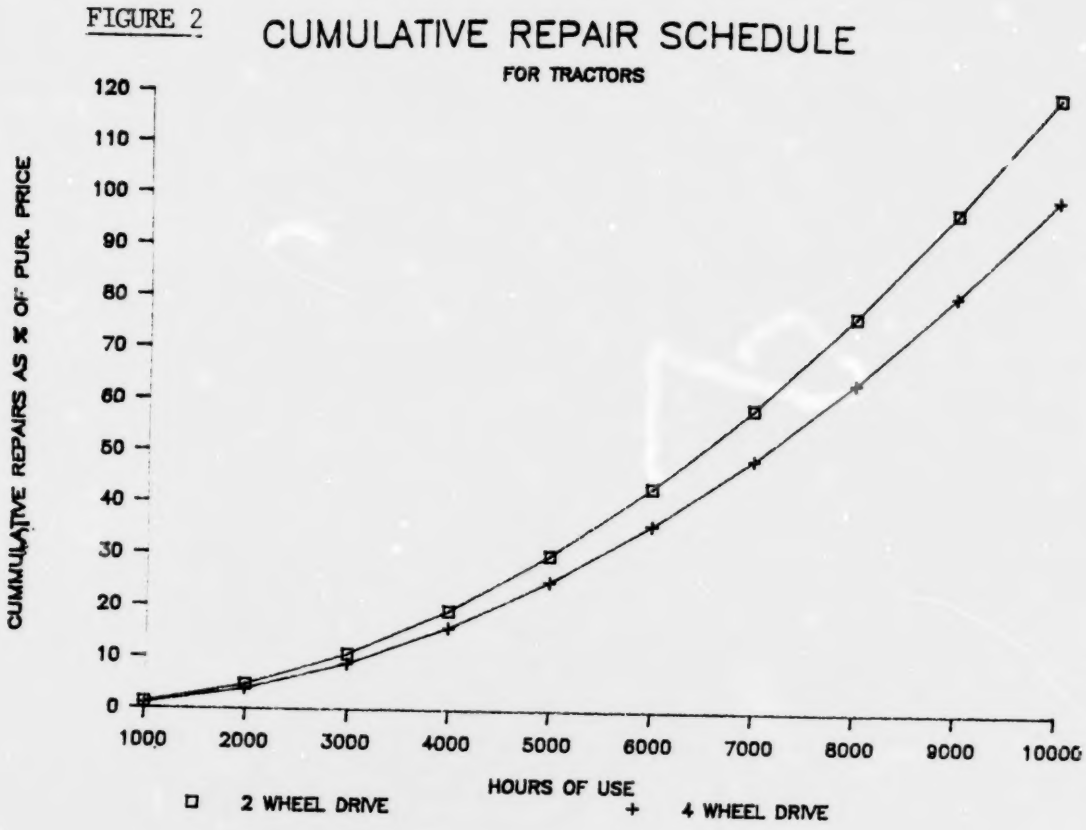
TOTAL ACCUMULATED REPAIRS FOR FARM TRACTORS AND IMPLEMENTS - Cont'd

EQUATION #	ESTIMATED WEAR-OUT LIFE HOURS	T.A.R.	MACHINE TYPE
24. $0.43(x)^{1.8}$	2 000	150	Moldboard Plow.
25. $0.46(x)^{1.7}$	2 000	150	Mower, Rotary-Cutter.
26. $0.54(x)^{2.1}$	1 200	80	Seed Drill, Zero-Till Drill, Planter: -Corn -Potato -Sugar Beet -Row Crop Air-Seeder.
27. $0.95(x)^{1.3}$	1 200	120	Fertilizer Spreader.

(x) = accumulated hours used/1000

Illustrations based on the above formulae are shown on pages 20-23.

FIGURE 2



FIGURE

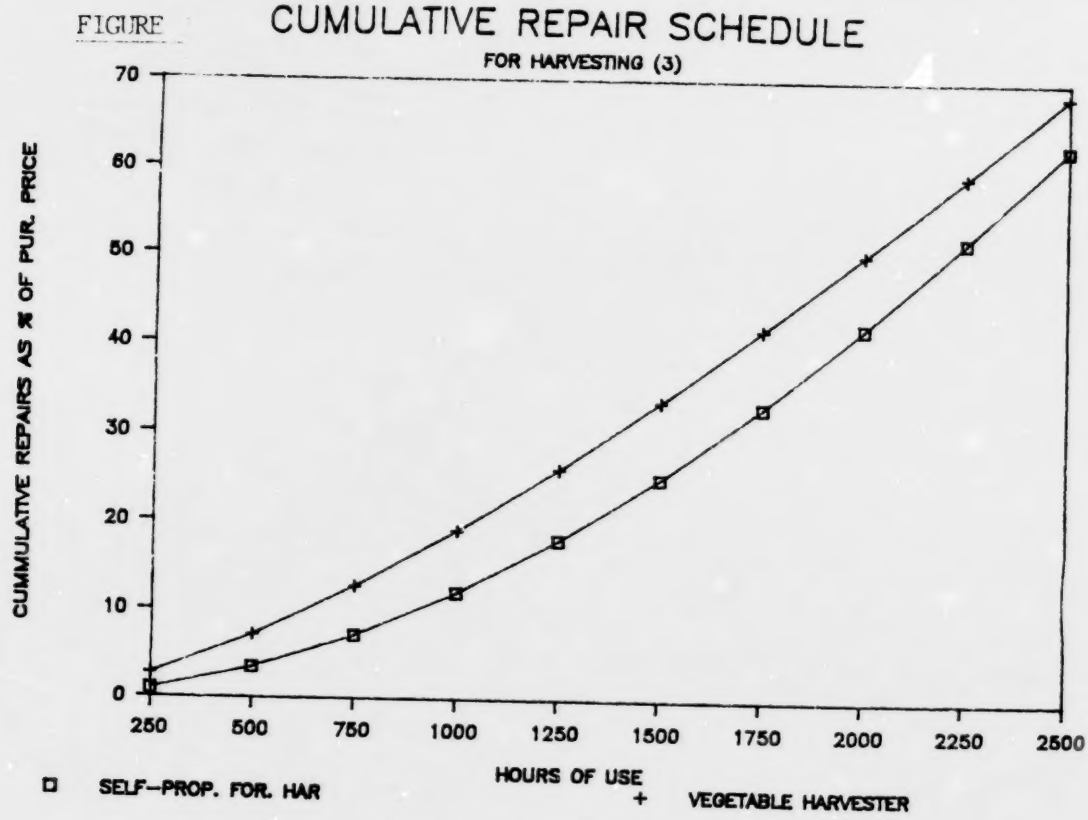


FIGURE 4

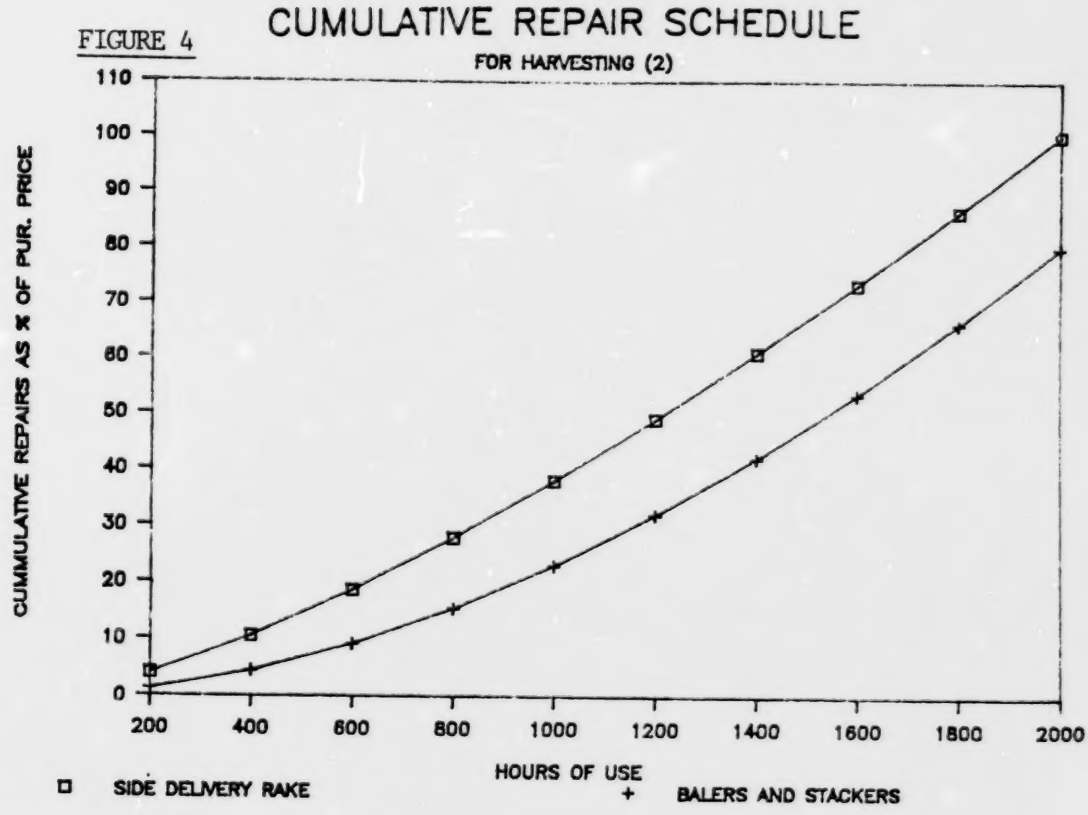


FIGURE 5

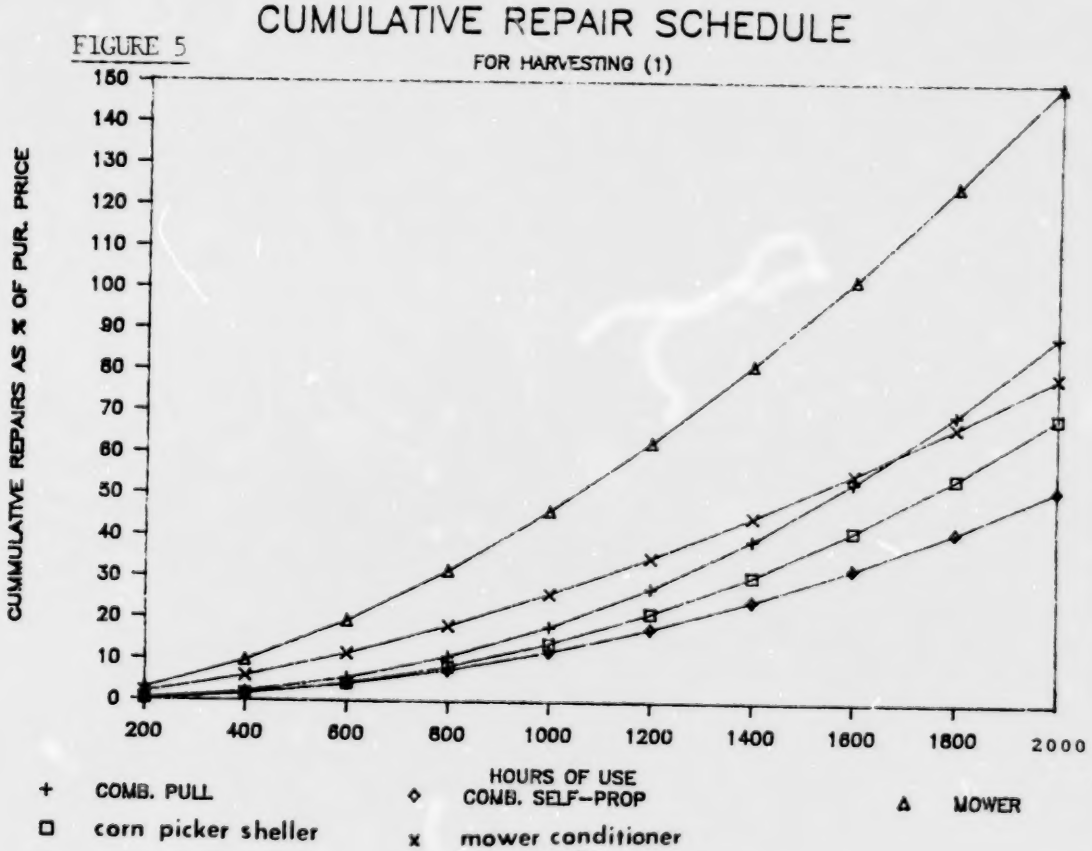


FIGURE 6

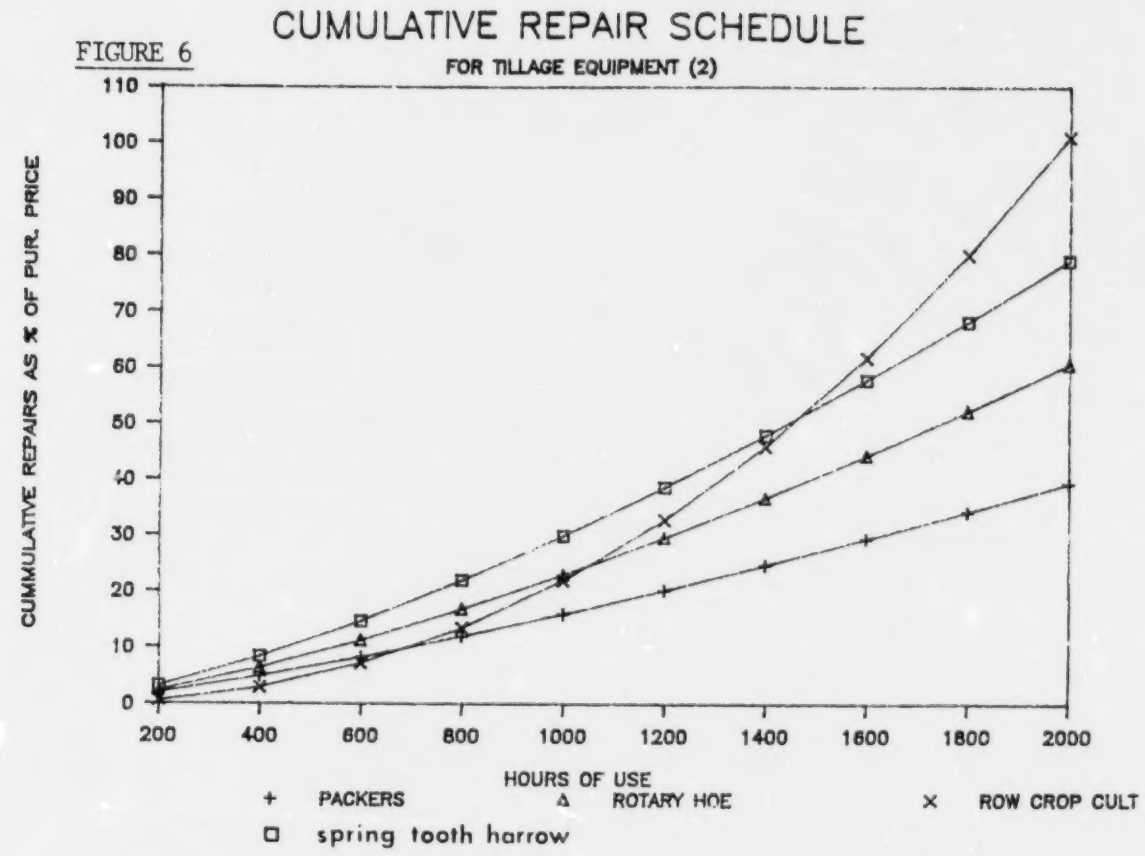


FIGURE 7

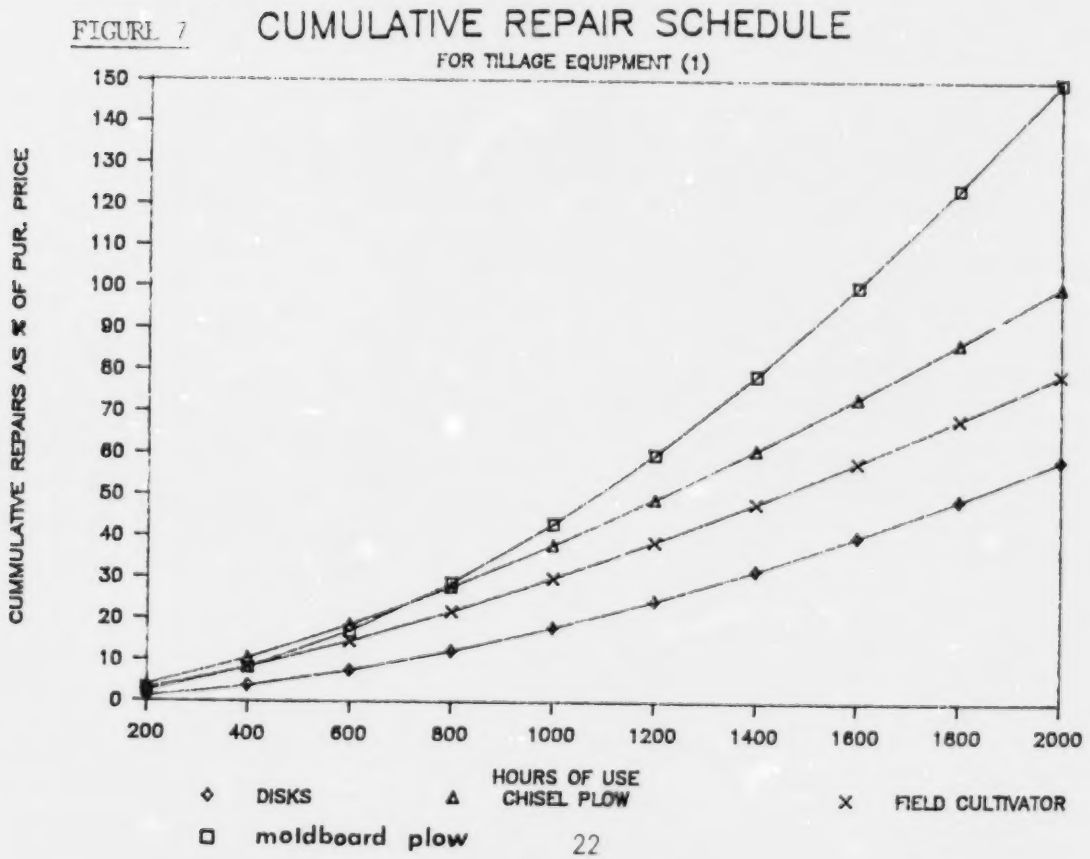


FIGURE 8

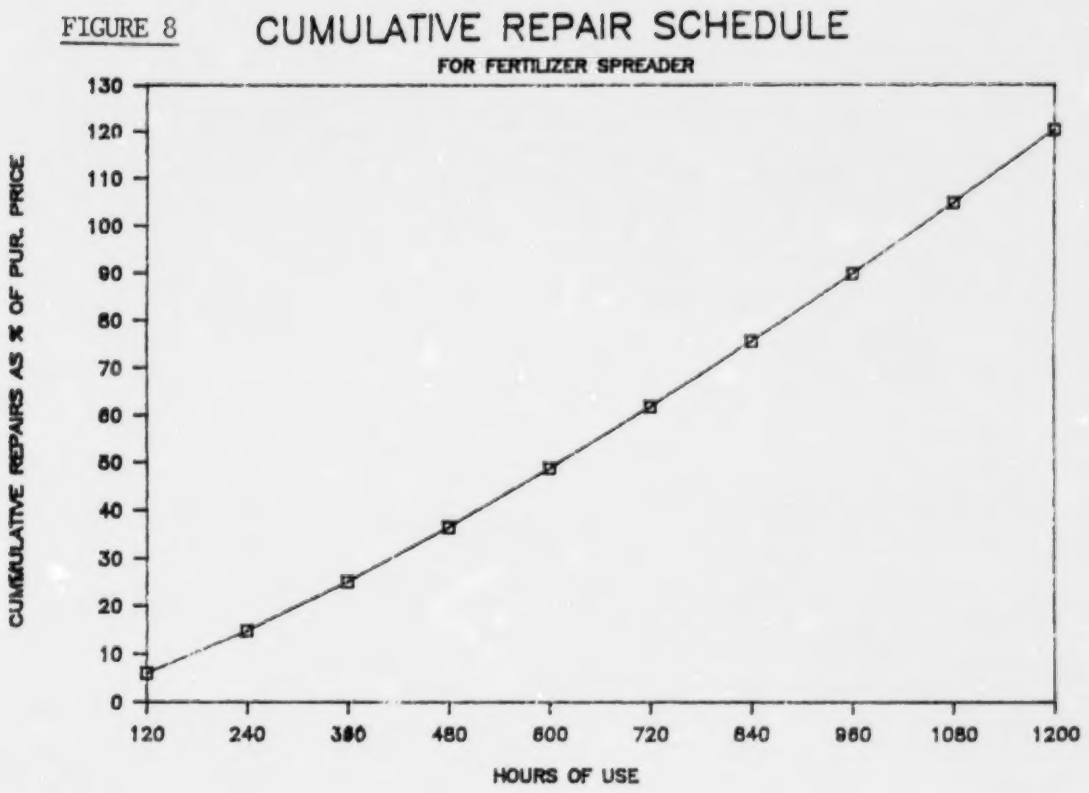
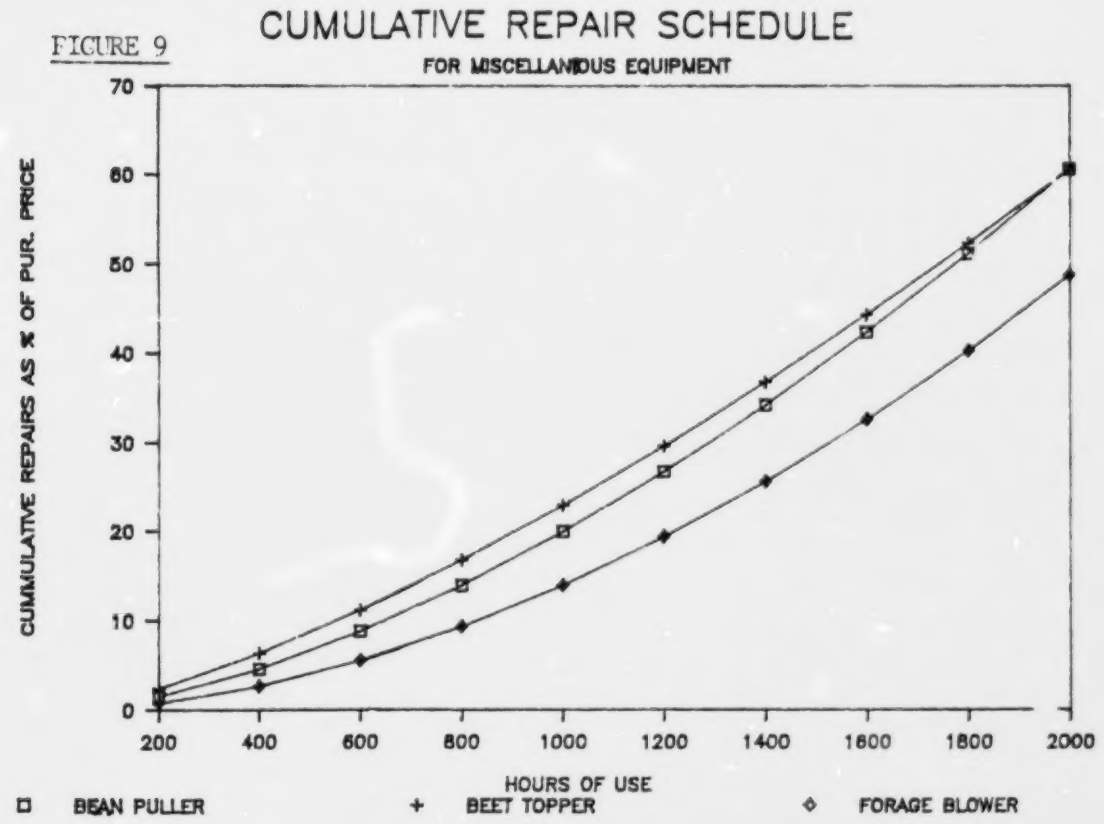


FIGURE 9



LABOUR COSTS

Labour should be considered when calculating field operating costs for the purpose of establishing custom rates or comparing costs between large and small equipment. Hired labour is usually a variable cost as wages are paid on an hourly basis but can be a fixed cost in instances where wages are paid on a monthly or yearly basis. The owner-operator's labour can be valued at the rate which would be paid to the hired labour for doing the same work if there is no opportunity to use his labour for non-farm employment.

SECTION II

OWNERSHIP AND OPERATING COSTS

PER HOUR

RETAIL PRICES OF FARM MACHINERY

IN ALBERTA, JUNE/1985

NOTES AND COMMENTS

Prices and costs shown reflect average figures. Costs per hour for any given machine must take into consideration its annual hourly use and estimated life.

Calculations

Col. 7 = Col. 6 x Price of fuel per gallon

Col. 8 = Col. 7 x .15 (diesel tractors)
-gasoline and LP tractors based on diesel tractors
-estimated lubrication cost for other equipment

Col. 9 = Repairs and maintenance as a percentage of list price for estimated life years and hours used per year.

$$\text{Col.10} = \frac{\text{Col. 2 x Col. 9}}{\text{Col. 5}}$$

$$\text{Col.11} = \frac{\text{Col 10}}{\text{Col. 3}}$$

Col.12 = Col. 7 + Col. 8 + Col. 11

Col.13 = Depreciation as a percentage of list price for estimated life years.

$$\text{Col.14} = \frac{\text{Col. 13 x Col. 2}}{\text{Col. 5}}$$

$$\text{Col.15} = \frac{\text{Col. 14}}{\text{Col. 3}}$$

$$\text{Col.16} = \text{Yrs. Life} \quad \frac{\sum_{n=1} \frac{(\text{Val. Beg. Yr. n} + \text{Val. End Yr. n})}{2}}{\text{Col. 5}}$$

Col.17 = Col. 16 x .12

$$\text{Col.18} = \frac{\text{Col. 17}}{\text{Col. 3}}$$

$$\text{Col.19} = \frac{\text{Col. 16 x .00273}}{\text{Col. 3}}$$

Col.20 = 0.603 x estimated space requirments ($ft.^2$)

$$\text{Col.21} = \frac{\text{Col. 20}}{\text{Col. 3}}$$

Col.22 = Col. 15 + Col. 18 + Col. 19 + Col. 21

Col.23 = Col. 12 + Col. 22

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
TRACTOR																						
P.T.O - hp	2-Wheel Drive Tractor - Diesel*																					
10-19	7532	300		10	1.0	1.15	0.17	11	81	0.27	1.59	70	531	1.77	3595	431	1.44	0.03	26	0.09	3.33	4.92
20-29	10043	300		10	1.2	1.38	0.21	11	108	0.36	1.95	70	708	2.36	4794	575	1.92	0.04	26	0.09	4.41	6.36
30-39	13293	300		10	1.7	1.95	0.29	11	144	0.48	2.73	70	937	3.12	6345	761	2.54	0.06	26	0.09	5.80	8.53
40-49	18104	300		10	2.1	2.41	0.36	11	196	0.65	3.43	70	1276	4.25	8641	1037	3.46	0.08	26	0.09	7.87	11.30
50-59	21053	400		10	2.6	2.99	0.45	19	404	1.01	4.45	70	1483	3.71	10049	1206	3.01	0.07	30	0.08	6.87	11.32
60-69	23127	400		10	3.1	3.56	0.53	19	444	1.11	5.21	70	1630	4.07	11039	1325	3.31	0.08	34	0.09	7.55	12.76
70-79	28770	500		10	3.6	4.14	0.62	30	863	1.73	6.49	70	2027	4.05	13732	1648	3.30	0.07	34	0.07	7.49	13.98
80-89	32474	500		10	4.0	4.60	0.69	30	974	1.95	7.24	70	2288	4.58	15500	1860	3.72	0.08	34	0.07	8.45	15.69
90-99	39406	600		10	4.5	5.17	0.78	43	1702	2.84	8.79	70	2777	4.63	18808	2257	3.76	0.09	34	0.06	8.53	17.32
100-119	49860	600		10	5.5	6.32	0.95	43	2154	3.59	10.86	70	3513	5.86	23798	2856	4.76	0.11	35	0.06	10.78	21.65
120-129	53120	700		10	5.9	6.78	1.02	59	3123	4.46	12.26	70	3743	5.35	25354	3043	4.35	0.10	39	0.06	9.85	22.11
130-139	56038	700		10	6.4	7.36	1.10	59	3295	4.71	13.17	70	3949	5.64	26747	3210	4.59	0.10	39	0.06	10.39	23.56
140-149	59000	700		10	6.9	7.93	1.19	59	3469	4.96	14.08	70	4157	5.94	28161	3379	4.83	0.11	39	0.06	10.93	25.01
150-159	64791	700		10	7.3	8.39	1.26	59	3810	5.44	15.10	70	4565	6.52	30925	3711	5.30	0.12	39	0.06	12.00	27.10
160-179	71969	700		10	7.8	8.97	1.35	59	4232	6.05	16.36	70	5071	7.24	34351	4122	5.89	0.13	39	0.06	13.32	29.68
180-190	83867	700		10	8.8	10.12	1.52	59	4931	7.04	18.68	70	5909	8.44	40030	4804	6.86	0.16	39	0.06	15.52	34.20

* Equipped with standard transmission, swinging drawbar, independent dual range P.T.O, 75 % fluid; Above 40 hp equipped with 3-point hitch, differential lock, power steering; Above 60 hp equipped with one remote hydraulic; Above 80 hp equipped with cab and heater; Above 100 hp equipped with dual range remote hydraulics, turbocharged; Above 120 hp equipped with cab, heater, air-conditioning; Above 160 hp equipped with dual rear tires;

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
P.T.O - hp	2-Wheel Drive Tractor - Front Wheel Assist - Diesel																					
10-19	8194	300		10	1.0	1.15	0.17	11	88	0.29	1.62	70	577	1.92	3911	469	1.56	0.04	26	0.09	3.61	5.23
20-29	12343	300		10	1.2	1.38	0.21	11	133	0.44	2.03	70	.870	2.90	5891	707	2.36	0.05	26	0.09	5.40	7.43
30-39	15932	300		10	1.7	1.95	0.29	11	172	0.57	2.82	70	1123	3.74	7604	913	3.04	0.07	26	0.09	6.94	9.76
40-49	21766	300		10	2.1	2.41	0.36	11	235	0.78	3.56	70	1534	5.11	10389	1247	4.16	0.09	26	0.09	9.45	13.01
50-59	23906	400		10	2.6	2.99	0.45	19	459	1.15	4.59	70	1684	4.21	11410	1369	3.42	0.08	30	0.08	7.79	12.37
60-69	27468	400		10	3.1	3.56	0.53	19	527	1.32	5.42	70	1935	4.84	13110	1573	3.93	0.09	34	0.09	8.95	14.37
70-79	31943	500		10	3.6	4.14	0.62	30	958	1.92	6.68	70	2251	4.50	15246	1830	3.66	0.08	34	0.07	8.31	14.99
80-89	37401	500		10	4.0	4.60	0.69	30	1122	2.24	7.53	70	2635	5.27	17851	2142	4.28	0.10	34	0.07	9.72	17.26
90-99	52200	500		10	4.5	5.17	0.78	30	1566	3.13	9.08	70	3678	7.36	24915	2990	5.98	0.14	34	0.07	13.54	22.62
100-119	60681	600		10	5.5	6.32	0.95	43	2621	4.37	11.64	70	4276	7.13	28963	3476	5.79	0.13	35	0.06	13.11	24.75
120-129	62340	700		10	5.9	6.78	1.02	59	3666	5.24	13.04	70	4393	6.28	29755	3571	5.10	0.12	39	0.06	11.55	24.59
130-139	65457	700		10	6.4	7.36	1.10	59	3849	5.50	13.96	70	4612	6.59	31243	3749	5.36	0.12	39	0.06	12.12	26.08
140-149	67271	700		10	6.9	7.93	1.19	59	3956	5.65	14.78	70	4740	6.77	32108	3853	5.50	0.13	39	0.06	12.46	27.23
150-159	68954	700		10	7.4	8.51	1.28	59	4054	5.79	15.58	70	4859	6.94	32912	3949	5.64	0.13	39	0.06	12.77	28.35
160-179	80580	700		10	8.1	9.31	1.40	59	4738	6.77	17.48	70	5678	8.11	38461	4615	6.59	0.15	39	0.06	14.91	32.39
180-190	95907	700		10	8.8	10.12	1.52	59	5639	8.06	19.69	70	6758	9.65	45776	5493	7.85	0.18	39	0.06	17.74	37.43

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs /	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation /	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Engine - hp	**4-Wheel Drive Tractor - Diesel**																					
70	57200	700		10	3.3	3.79	0.57	49	2803	4.00	8.37	70	4030	5.76	27302	3276	4.68	0.11	47	0.07	10.61	18.98
176-214	91408	700		10	9.2	10.58	1.59	49	4479	6.40	18.57	70	6441	9.20	43629	5235	7.48	0.17	47	0.07	16.92	35.48
215-239	94012	700		10	10.8	12.42	1.86	49	4607	6.58	20.86	70	6624	9.46	44872	5385	7.69	0.18	49	0.07	17.40	38.26
240-260	108364	700		10	11.9	13.68	2.05	49	5310	7.59	23.32	70	7635	10.91	51722	6207	8.87	0.20	51	0.07	20.05	43.37
261-280	115854	700		10	12.8	14.72	2.21	49	5677	8.11	25.04	70	8163	11.66	55297	6636	9.48	0.22	55	0.08	21.44	46.47
281-300	118002	700		10	13.8	15.87	2.38	49	5782	8.26	26.51	70	8315	11.88	56322	6759	9.66	0.22	55	0.08	21.83	48.34
301-350	126785	700		10	15.4	17.71	2.66	49	6212	8.87	29.24	70	8933	12.76	60514	7262	10.37	0.24	57	0.08	23.45	52.70
351-470	143898	700		10	19.5	22.42	3.36	49	7051	10.07	35.86	7010139		14.48	68683	8242	11.77	0.27	63	0.09	26.62	62.48
Engine - hp	**Garden Tractor - Gasoline with geared transmission**																					
8	2958	100		10	0.6	0.72	0.11	19	56	0.56	1.39	70	208	2.08	1412	169	1.69	0.04	7	0.07	3.88	5.27
10	3905	100		10	0.7	0.84	0.13	19	74	0.74	1.71	70	275	2.75	1864	224	2.24	0.05	7	0.07	5.10	6.81
12	4120	100		10	0.9	1.08	0.16	19	78	0.78	2.02	70	290	2.90	1966	236	2.36	0.05	10	0.10	5.41	7.44
14	4350	100		10	1.0	1.20	0.18	19	83	0.83	2.21	70	307	3.07	2076	249	2.49	0.06	10	0.10	5.71	7.92
16	4443	100		10	1.2	1.44	0.22	19	84	0.84	2.50	70	313	3.13	2121	254	2.54	0.06	16	0.16	5.89	8.39

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Garden Tractor with hydrostatic transmission, one cylinder																						
Engine - hp																						
12	4003	100		10	0.9	1.08	0.16	19	76	0.76	2.00	70	282	2.82	1911	229	2.29	0.05	8	0.08	5.25	7.25
14	4845	100		10	1.0	1.20	0.18	19	92	0.92	2.30	70	341	3.41	2313	278	2.78	0.06	8	0.08	6.33	8.63
16	6378	100		10	1.2	1.44	0.22	19	121	1.21	2.87	70	449	4.49	3044	365	3.65	0.08	12	0.12	8.35	11.22
Garden Tractor with hydrostatic transmission, twin cylinders																						
Engine - hp																						
17	6625	100		10	1.3	1.56	0.23	19	126	1.26	3.05	70	467	4.67	3162	379	3.79	0.09	12	0.12	8.67	11.72
18	6917	100		10	1.3	1.56	0.23	19	131	1.31	3.11	70	487	4.87	3301	396	3.96	0.09	12	0.12	9.05	12.16
20	9778	100		10	1.5	1.80	0.27	19	186	1.86	3.93	70	689	6.89	4667	560	5.60	0.13	12	0.12	12.74	16.67
4-Wheel Drive - Diesel																						
Engine - hp																						
13-15	7355	100		10	1.1	1.27	0.19	19	140	1.40	2.85	70	518	5.18	3511	421	4.21	0.10	12	0.12	9.61	12.47
17-19	8670	100		10	1.3	1.49	0.22	19	165	1.65	3.37	70	611	6.11	4138	497	4.97	0.11	12	0.12	11.31	14.68
22-28	10930	100		10	1.7	1.95	0.29	19	208	2.08	4.32	70	770	7.70	5217	626	6.26	0.14	12	0.12	14.23	18.55
29-38	13898	100		10	2.4	2.76	0.41	19	264	2.64	5.81	70	979	9.79	6634	796	7.96	0.18	12	0.12	18.06	23.87
40-47	21614	100		10	2.8	3.22	0.48	19	411	4.11	7.81	70	1523	15.23	10316	1238	12.38	0.28	12	0.12	28.01	35.82

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Garden Tractor Attachments:																						
Mower																						
38"	682	75	10		0.0	0.00	0.03	20	14	0.18	0.21	82	56	0.75	250	30	0.40	0.01	7	0.09	1.25	1.46
42"	715	75	10		0.0	0.00	0.03	20	14	0.19	0.22	82	59	0.78	262	31	0.42	0.01	7	0.09	1.30	1.52
48"	891	75	10		0.0	0.00	0.03	20	18	0.24	0.27	82	73	0.98	327	39	0.52	0.01	7	0.09	1.60	1.87
50"	1092	75	10		0.0	0.00	0.03	20	22	0.29	0.32	82	90	1.20	401	48	0.64	0.01	7	0.09	1.94	2.27
60"	2012	75	10		0.0	0.00	0.03	20	41	0.54	0.57	82	166	2.21	738	89	1.18	0.03	7	0.09	3.50	4.08
Rotary Tiller																						
30"	1555	75	10		0.0	0.00	0.03	20	31	0.42	0.45	82	128	1.71	571	68	0.91	0.02	7	0.09	2.73	3.18
48"	1915	75	10		0.0	0.00	0.03	20	39	0.52	0.55	82	158	2.10	703	84	1.12	0.03	7	0.09	3.34	3.89
90"	3700	75	10		0.0	0.00	0.03	20	75	1.00	1.03	82	305	4.06	1358	163	2.17	0.05	7	0.09	6.37	7.40
100"	5800	75	10		0.0	0.00	0.03	20	117	1.57	1.60	82	477	6.37	2128	255	3.40	0.08	7	0.09	9.94	11.53
Snowblower																						
36"	960	75	10		0.0	0.00	0.03	20	19	0.26	0.29	82	79	1.05	352	42	0.56	0.01	7	0.09	1.72	2.01
42"	985	75	10		0.0	0.00	0.03	20	20	0.27	0.30	82	81	1.08	361	43	0.58	0.01	7	0.09	1.76	2.06
46"	1210	75	10		0.0	0.00	0.03	20	25	0.33	0.36	82	100	1.33	444	53	0.71	0.02	7	0.09	2.14	2.50
60"	1241	75	10		0.0	0.00	0.03	20	25	0.34	0.37	82	102	1.36	455	55	0.73	0.02	7	0.09	2.19	2.56
80"	1620	75	10		0.0	0.00	0.03	20	33	0.44	0.47	82	133	1.78	594	71	0.95	0.02	8	0.11	2.86	3.33
96"	2330	75	10		0.0	0.00	0.03	20	47	0.63	0.66	82	192	2.56	855	103	1.37	0.03	8	0.11	4.07	4.72

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rotary Cutter																						
48"	878	75		10	0.0	0.00	0.03	20	18	0.24	0.27	82	72	0.96	322	39	0.52	0.01	7	0.09	1.58	1.84
60"	990	75		10	0.0	0.00	0.03	20	20	0.27	0.30	82	81	1.09	363	44	0.58	0.01	7	0.09	1.77	2.07
72"	1260	75		10	0.0	0.00	0.03	20	26	0.34	0.37	82	104	1.38	462	55	0.74	0.02	7	0.09	2.23	2.60
84"	1620	75		10	0.0	0.00	0.03	20	33	0.44	0.47	82	133	1.78	594	71	0.95	0.02	8	0.11	2.86	3.33
96"	1980	75		10	0.0	0.00	0.03	20	40	0.53	0.56	82	163	2.17	726	87	1.16	0.03	8	0.11	3.47	4.04

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
TILLAGE EQUIPMENT																						
6' Blade																						
Noble Blade																						
30'	12467	160	2100	10	0.0	0.00	0.05	58	722	4.51	4.56	82	1026	6.41	4574	549	3.43	0.08	73	0.46	10.38	14.95
42'	18525	160	2830	10	0.0	0.00	0.05	58	1073	6.71	6.76	82	1525	9.53	6797	816	5.10	0.12	73	0.46	15.20	21.96
54'	24100	160	3620	10	0.0	0.00	0.05	58	1396	8.73	8.78	82	1984	12.40	8842	1061	6.63	0.15	73	0.46	19.64	28.42
Stubble Treader																						
5'	630	160	420	10	0.0	0.00	0.03	40	25	0.16	0.19	82	52	0.32	231	28	0.17	0.00	3	0.02	0.52	0.71
6'	700	160	420	10	0.0	0.00	0.03	40	28	0.18	0.21	82	58	0.36	257	31	0.19	0.00	3	0.02	0.58	0.78
7'	725	160	420	10	0.0	0.00	0.03	40	29	0.18	0.21	82	60	0.37	266	32	0.20	0.00	4	0.03	0.60	0.81
Econorod																						
6'	143	160	100	10	0.0	0.00		40	6	0.04	0.04	82	12	0.07	52	6	0.04	0.00	1	0.01	0.12	0.15
7'	146	160	100	10	0.0	0.00		40	6	0.04	0.04	82	12	0.08	54	6	0.04	0.00	1	0.01	0.12	0.16
8'	149	160	100	10	0.0	0.00		40	6	0.04	0.04	82	12	0.08	55	7	0.04	0.00	1	0.01	0.12	0.16

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Chisel Plow with 4" x 4" tubular frame, 16" sweeps, spring reset																						
Rigid																						
7'	2927	160	430	10	0.0	0.00	0.03	73	215	1.34	1.37	82	241	1.51	1074	129	0.81	0.02	33	0.20	2.53	3.91
10'	3516	160	620	10	0.0	0.00	0.03	73	258	1.61	1.64	82	289	1.81	1290	155	0.97	0.02	47	0.29	3.09	4.73
11'	5171	160	680	10	0.0	0.00	0.03	73	379	2.37	2.40	82	426	2.66	1897	228	1.42	0.03	51	0.32	4.44	6.84
13'	5357	160	810	10	0.0	0.00	0.03	73	393	2.46	2.49	82	441	2.76	1965	236	1.47	0.03	60	0.37	4.64	7.12
15'	6098	160	930	10	0.0	0.00	0.03	73	447	2.80	2.83	82	502	3.14	2237	268	1.68	0.04	64	0.40	5.25	8.08
17'	6543	160	1050	10	0.0	0.00	0.03	73	480	3.00	3.03	82	539	3.37	2401	288	1.80	0.04	68	0.42	5.63	8.66
Folding																						
19'	11940	160	990	10	0.0	0.00	0.03	73	876	5.48	5.51	82	983	6.14	4381	526	3.29	0.07	64	0.40	9.90	15.41
21'	12240	160	1240	10	0.0	0.00	0.03	73	898	5.61	5.64	82	1008	6.30	4491	539	3.37	0.08	68	0.42	10.17	15.81
23'	12614	160	1360	10	0.0	0.00	0.03	73	926	5.78	5.81	82	1038	6.49	4628	555	3.47	0.08	68	0.42	10.46	16.28
25'	14195	160	1490	10	0.0	0.00	0.04	73	1042	6.51	6.55	82	1168	7.30	5208	625	3.91	0.09	68	0.42	11.72	18.27
27'	14570	160	1610	10	0.0	0.00	0.04	73	1069	6.68	6.72	82	1199	7.50	5346	641	4.01	0.09	68	0.42	12.02	18.74
29'	17000	160	1740	10	0.0	0.00	0.04	73	1247	7.80	7.84	82	1399	8.75	6237	748	4.68	0.11	68	0.42	13.95	21.79
31'	17300	160	1860	10	0.0	0.00	0.04	73	1269	7.93	7.97	82	1424	8.90	6347	762	4.76	0.11	68	0.42	14.19	22.17
33'	17730	160	1980	10	0.0	0.00	0.04	73	1301	8.13	8.17	82	1459	9.12	6505	781	4.88	0.11	68	0.42	14.53	22.71
35'	18100	160	2170	10	0.0	0.00	0.04	73	1328	8.30	8.34	82	1490	9.31	6641	797	4.98	0.11	68	0.42	14.83	23.17
37'	19035	160	2290	10	0.0	0.00	0.04	73	1397	8.73	8.77	82	1567	9.79	6984	838	5.24	0.12	68	0.42	15.57	24.34

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing																						
Chisel Plow																						
39'	19410	160	2420	10	0.0	0.00	0.05	73	1424	8.90	8.95	82	1598	9.99	7122	855	5.34	0.12	68	0.42	15.87	24.82
41'	19820	160	2540	10	0.0	0.00	0.05	73	1454	9.09	9.14	82	1632	10.20	7272	873	5.45	0.12	68	0.42	16.20	25.34
47'	34025	160	2910	10	0.0	0.00	0.05	73	2497	15.60	15.65	82	2801	17.50	12484	1498	9.36	0.21	68	0.42	27.50	43.16
49'	34360	160	3030	10	0.0	0.00	0.05	73	2521	15.76	15.81	82	2828	17.68	12607	1513	9.46	0.22	68	0.42	27.77	43.58
51'	34690	160	3160	10	0.0	0.00	0.05	73	2545	15.91	15.96	82	2856	17.85	12728	1527	9.55	0.22	68	0.42	28.03	43.99
53'	35747	160	3280	10	0.0	0.00	0.05	73	2623	16.39	16.44	82	2943	18.39	13116	1574	9.84	0.22	68	0.42	28.87	45.32
55'	36053	160	3410	10	0.0	0.00	0.05	73	2645	16.53	16.58	82	2968	18.55	13228	1587	9.92	0.23	68	0.42	29.12	45.70
57'	37009	160	3480	10	0.0	0.00	0.05	73	2716	16.97	17.02	82	3046	19.04	13579	1629	10.18	0.23	68	0.42	29.88	46.90
59'	37434	160	3720	10	0.0	0.00	0.05	73	2747	17.17	17.22	82	3081	19.26	13735	1648	10.30	0.23	68	0.42	30.22	47.43
Field Cultivator - Light Duty with 3" x 3" tubular frame, auto. trip, 9" sweeps																						
Rigid																						
12'	4555	160	1070	10	0.0	0.00	0.03	58	264	1.65	1.68	82	375	2.34	1671	201	1.25	0.03	47	0.30	3.92	5.60
13'	4605	160	1160	10	0.0	0.00	0.03	58	267	1.67	1.70	82	379	2.37	1690	203	1.27	0.03	48	0.30	3.97	5.66
14'	4770	160	1250	10	0.0	0.00	0.03	58	276	1.73	1.76	82	393	2.45	1750	210	1.31	0.03	49	0.31	4.10	5.86
15'	5180	160	1340	10	0.0	0.00	0.03	58	300	1.88	1.91	82	426	2.66	1901	228	1.43	0.03	50	0.31	4.43	6.34
16'	5335	160	1420	10	0.0	0.00	0.04	58	309	1.93	1.97	82	439	2.74	1957	235	1.47	0.03	51	0.32	4.56	6.53
17'	5505	160	1510	10	0.0	0.00	0.04	58	319	1.99	2.03	82	453	2.83	2020	242	1.51	0.03	51	0.32	4.70	6.74

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing Field Cultivator - Light Duty																						
19'	7186	160	1630	10	0.0	0.00	0.03	58	416	2.60	2.63	82	592	3.70	2637	316	1.98	0.04	64	0.40	6.12	8.75
20'	7310	160	1720	10	0.0	0.00	0.03	58	423	2.65	2.68	82	602	3.76	2682	322	2.01	0.05	64	0.40	6.22	8.89
21'	7553	160	1810	10	0.0	0.00	0.04	58	438	2.73	2.77	82	622	3.89	2771	333	2.08	0.05	68	0.42	6.43	9.21
22'	7710	160	1890	10	0.0	0.00	0.04	58	447	2.79	2.83	82	635	3.97	2829	339	2.12	0.05	68	0.42	6.56	9.39
23'	8364	160	1980	10	0.0	0.00	0.04	58	485	3.03	3.07	82	688	4.30	3069	368	2.30	0.05	68	0.42	7.08	10.15
24'	8584	160	2060	10	0.0	0.00	0.04	58	497	3.11	3.15	82	707	4.42	3149	378	2.36	0.05	68	0.42	7.26	10.40
25'	10428	160	2150	10	0.0	0.00	0.04	58	604	3.78	3.82	82	858	5.36	3826	459	2.87	0.07	68	0.42	8.72	12.54
26'	11850	160	2240	10	0.0	0.00	0.05	58	686	4.29	4.34	82	975	6.10	4348	522	3.26	0.07	68	0.42	9.85	14.20
27'	12735	160	2320	10	0.0	0.00	0.05	58	738	4.61	4.66	82	1048	6.55	4672	561	3.50	0.08	68	0.42	10.56	15.22
29'	12828	160	2490	10	0.0	0.00	0.05	58	743	4.64	4.69	82	1056	6.60	4707	565	3.53	0.08	68	0.42	10.63	15.33
30'	13274	160	2580	10	0.0	0.00	0.05	58	769	4.81	4.86	82	1093	6.83	4870	584	3.65	0.08	68	0.42	10.99	15.84
31'	13711	160	2670	10	0.0	0.00	0.05	58	794	4.96	5.01	82	1129	7.05	5031	604	3.77	0.09	68	0.42	11.34	16.35
32'	13987	160	2750	10	0.0	0.00	0.05	58	810	5.06	5.11	82	1151	7.20	5132	616	3.85	0.09	68	0.42	11.56	16.67
33'	14031	160	2840	10	0.0	0.00	0.05	58	813	5.08	5.13	82	1155	7.22	5148	618	3.86	0.09	68	0.42	11.59	16.72
34'	15248	160	2920	10	0.0	0.00	0.05	58	883	5.52	5.57	82	1255	7.84	5594	671	4.20	0.10	70	0.44	12.57	18.15

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing Field Cultivator - Light Duty																						
35'	15805	160	3010	10	0.0	0.00	0.05	58	916	5.72	5.77	82	1301	8.13	5799	696	4.35	0.10	68	0.42	13.00	18.77
36'	16145	160	3100	10	0.0	0.00	0.05	58	935	5.85	5.90	82	1329	8.31	5924	711	4.44	0.10	68	0.42	13.27	19.17
37'	16459	160	3180	10	0.0	0.00	0.05	58	953	5.96	6.01	82	1355	8.47	6039	725	4.53	0.10	68	0.42	13.52	19.53
38'	17366	160	3270	10	0.0	0.00	0.05	58	1006	6.29	6.34	82	1429	8.93	6372	765	4.78	0.11	68	0.42	14.25	20.58
41'	18376	160	3530	10	0.0	0.00	0.05	58	1064	6.65	6.70	82	1513	9.45	6742	809	5.06	0.12	68	0.42	15.05	21.75
43'	18732	160	3700	10	0.0	0.00	0.05	58	1085	6.78	6.83	82	1542	9.64	6873	825	5.15	0.12	68	0.42	15.33	22.16
45'	19923	160	3872	10	0.0	0.00	0.05	58	1154	7.21	7.26	82	1640	10.25	7310	877	5.48	0.12	68	0.42	16.28	23.54
47'	21337	160	4040	10	0.0	0.00	0.05	58	1236	7.73	7.78	82	1756	10.98	7829	939	5.87	0.13	68	0.42	17.41	25.18
48'	21600	160	4130	10	0.0	0.00	0.05	58	1251	7.82	7.87	82	1778	11.11	7925	951	5.94	0.14	68	0.42	17.62	25.49
49'	23086	160	4210	10	0.0	0.00	0.05	58	1337	8.36	8.41	82	1900	11.88	8470	1016	6.35	0.14	68	0.42	18.80	27.21
55'	25093	160	4730	10	0.0	0.00	0.05	58	1454	9.08	9.13	82	2066	12.91	9207	1105	6.90	0.16	68	0.42	20.40	29.53
58'	25149	160	5160	10	0.0	0.00	0.05	58	1457	9.11	9.16	82	2070	12.94	9227	1107	6.92	0.16	68	0.42	20.44	29.59
61'	26905	160	5250	10	0.0	0.00	0.05	58	1559	9.74	9.79	82	2215	13.84	9871	1185	7.40	0.17	68	0.42	21.84	31.63

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vibrachisel with 4" x 4" tubular frame, 9" spacing																						
3-Section																						
17'	6975	160	1515	10	0.0	0.00	0.04	29	206	1.28	1.32	82	574	3.59	2559	307	1.92	0.04	73	0.45	6.01	7.33
18'	7300	160	1600	10	0.0	0.00	0.04	29	215	1.34	1.38	82	601	3.76	2678	321	2.01	0.05	73	0.45	6.26	7.65
20'	7605	160	1760	10	0.0	0.00	0.04	29	224	1.40	1.44	82	626	3.91	2790	335	2.09	0.05	73	0.45	6.51	7.95
22'	8300	160	1890	10	0.0	0.00	0.04	29	245	1.53	1.57	82	683	4.27	3045	365	2.28	0.05	73	0.45	7.06	8.63
23'	8830	160	2025	10	0.0	0.00	0.04	29	260	1.63	1.67	82	727	4.54	3240	389	2.43	0.06	73	0.45	7.48	9.15
26'	10600	160	2240	10	0.0	0.00	0.04	29	312	1.95	1.99	82	873	5.45	3889	467	2.92	0.07	73	0.45	8.89	10.88
30'	11950	160	2580	10	0.0	0.00	0.04	29	352	2.20	2.24	82	984	6.15	4384	526	3.29	0.07	73	0.45	9.97	12.21
36'	13650	160	3030	10	0.0	0.00	0.04	29	402	2.51	2.55	82	1124	7.02	5008	601	3.76	0.09	73	0.45	11.32	13.87
5-Section																						
31'	13185	160	2730	10	0.0	0.00	0.04	29	389	2.43	2.47	82	1085	6.78	4838	581	3.63	0.08	73	0.45	10.95	13.42
40'	16400	160	3440	10	0.0	0.00	0.04	29	483	3.02	3.06	82	1350	8.44	6017	722	4.51	0.10	73	0.45	13.51	16.57
45'	23200	160	3960	10	0.0	0.00	0.04	29	684	4.27	4.31	82	1910	11.94	8512	1021	6.38	0.15	73	0.45	18.92	23.23
49'	24200	160	4390	10	0.0	0.00	0.04	29	713	4.46	4.50	82	1992	12.45	8879	1065	6.66	0.15	73	0.45	19.72	24.21
52'	32600	160	4920	10	0.0	0.00	0.04	29	961	6.01	6.05	82	2683	16.77	11961	1435	8.97	0.20	73	0.45	26.40	32.45
60'	38700	160	5160	10	0.0	0.00	0.04	29	1141	7.13	7.17	82	3186	19.91	14199	1704	10.65	0.24	73	0.45	31.26	38.43

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Field Cultivator - Heavy Duty with 9" spacing, 10" sweeps																						
Rigid																						
11'	4750	160	890	10	0.0	0.00	0.03	58	275	1.72	1.75	82	391	2.44	1743	209	1.31	0.03	47	0.30	4.08	5.83
13'	5278	160	1160	10	0.0	0.00	0.03	58	306	1.91	1.94	82	434	2.72	1936	232	1.45	0.03	48	0.30	4.50	6.44
15'	5811	160	1340	10	0.0	0.00	0.03	58	337	2.10	2.13	82	478	2.99	2132	256	1.60	0.04	50	0.31	4.94	7.07
17'	6543	160	1510	10	0.0	0.00	0.04	58	379	2.37	2.41	82	539	3.37	2401	288	1.80	0.04	51	0.32	5.53	7.94
19'	7071	160	1605	10	0.0	0.00	0.04	58	410	2.56	2.60	82	582	3.64	2594	311	1.95	0.04	52	0.33	5.95	8.55
21'	9503	160	1780	10	0.0	0.00	0.04	58	550	3.44	3.48	82	782	4.89	3487	418	2.61	0.06	53	0.33	7.90	11.38
Folding Wing																						
23'	10548	160	1980	10	0.0	0.00	0.04	58	611	3.82	3.86	82	868	5.43	3870	464	2.90	0.07	68	0.42	8.82	12.68
25'	11438	160	2150	10	0.0	0.00	0.04	58	663	4.14	4.18	82	942	5.88	4197	504	3.15	0.07	68	0.42	9.53	13.71
27'	13382	160	2320	10	0.0	0.00	0.05	58	775	4.84	4.89	82	1102	6.88	4910	589	3.68	0.08	68	0.42	11.07	15.97
29'	13401	160	2490	10	0.0	0.00	0.05	58	776	4.85	4.90	82	1103	6.89	4917	590	3.69	0.08	68	0.42	11.09	15.99
31'	16141	160	2670	10	0.0	0.00	0.05	58	935	5.84	5.89	82	1329	8.30	5922	711	4.44	0.10	68	0.42	13.27	19.16
33'	16194	160	2840	10	0.0	0.00	0.05	58	938	5.86	5.91	82	1333	8.33	5942	713	4.46	0.10	68	0.42	13.31	19.23
35'	16318	160	3010	10	0.0	0.00	0.05	58	945	5.91	5.96	82	1343	8.40	5987	718	4.49	0.10	68	0.42	13.41	19.37
37'	17256	160	3180	10	0.0	0.00	0.05	58	1000	6.25	6.30	82	1420	8.88	6331	760	4.75	0.11	68	0.42	14.16	20.46
39'	17829	160	3350	10	0.0	0.00	0.05	58	1033	6.45	6.50	82	1468	9.17	6541	785	4.91	0.11	68	0.42	14.61	21.12
41'	18365	160	3530	10	0.0	0.00	0.05	58	1064	6.65	6.70	82	1512	9.45	6738	809	5.05	0.11	68	0.42	15.04	21.74

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing																						
Field Cultivator - Heavy duty																						
49'	25418	160	4210	10	0.0	0.00	0.05	58	1472	9.20	9.25	82	2092	13.08	9326	1119	6.99	0.16	68	0.42	20.65	29.91
51'	25674	160	4380	10	0.0	0.00	0.05	58	1487	9.30	9.35	82	2113	13.21	9420	1130	7.06	0.16	68	0.42	20.86	30.20
55'	27558	160	4730	10	0.0	0.00	0.05	58	1596	9.98	10.03	82	2268	14.18	10111	1213	7.58	0.17	68	0.42	22.36	32.38
57'	27814	160	5160	10	0.0	0.00	0.05	58	1611	10.07	10.12	82	2290	14.31	10205	1225	7.65	0.17	68	0.42	22.56	32.68
Rigid																						
Offset Disc - Single with 4" x 4" tubular frame, 22" Blade																						
8'	5245	160	360	10	0.0	0.00	0.03	40	210	1.31	1.34	82	432	2.70	1924	231	1.44	0.03	34	0.21	4.39	5.73
9'	5399	160	480	10	0.0	0.00	0.03	40	216	1.35	1.38	82	444	2.78	1981	238	1.49	0.03	36	0.22	4.52	5.90
10'	5923	160	600	10	0.0	0.00	0.03	40	237	1.48	1.51	82	488	3.05	2173	261	1.63	0.04	39	0.24	4.96	6.47
11'	7227	160	660	10	0.0	0.00	0.03	40	289	1.81	1.84	82	595	3.72	2652	318	1.99	0.05	41	0.26	6.01	7.84
13'	7670	160	780	10	0.0	0.00	0.03	40	307	1.92	1.95	82	631	3.95	2814	338	2.11	0.05	42	0.26	6.36	8.31
14'	8808	160	840	10	0.0	0.00	0.03	40	352	2.20	2.23	82	725	4.53	3232	388	2.42	0.06	51	0.32	7.33	9.56
16'	8924	160	900	10	0.0	0.00	0.03	40	357	2.23	2.26	82	735	4.59	3274	393	2.46	0.06	56	0.35	7.45	9.71
19'	9658	160	1140	10	0.0	0.00	0.03	40	387	2.42	2.45	82	795	4.97	3544	425	2.66	0.06	64	0.40	8.09	10.54

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Offset Disc - Single																						
Folding Wing																						
17'	14558	160	1020	10	0.0	0.00	0.03	40	583	3.64	3.67	82	1198	7.49	5341	641	4.01	0.09	69	0.43	12.02	15.69
19'	14918	160	1140	10	0.0	0.00	0.03	40	597	3.73	3.76	82	1228	7.67	5473	657	4.11	0.09	69	0.43	12.30	16.06
20'	16114	160	1200	10	0.0	0.00	0.03	40	645	4.03	4.06	82	1326	8.29	5912	709	4.43	0.10	69	0.43	13.25	17.31
21'	16496	160	1260	10	0.0	0.00	0.03	40	660	4.13	4.16	82	1358	8.49	6052	726	4.54	0.10	69	0.43	13.56	17.71
23'	19033	160	1380	10	0.0	0.00	0.03	40	762	4.76	4.79	82	1567	9.79	6983	838	5.24	0.12	69	0.43	15.58	20.37
26'	20440	160	1560	10	0.0	0.00	0.03	40	818	5.11	5.14	82	1683	10.52	7499	900	5.62	0.13	69	0.43	16.70	21.84
27'	24250	160	1620	10	0.0	0.00	0.03	40	970	6.07	6.10	82	1996	12.48	8897	1068	6.67	0.15	69	0.43	19.73	25.82
30'	26095	160	1800	10	0.0	0.00	0.03	40	1044	6.53	6.56	82	2148	13.43	9574	1149	7.18	0.16	69	0.43	21.20	27.75
Offset Disc - Double (Heavy Duty) with 4" x 4" tubular frame, 22" blade, 9" spacing																						
Rigid																						
10'	6705	160	600	10	0.0	0.00	0.03	40	268	1.68	1.71	82	552	3.45	2460	295	1.85	0.04	39	0.24	5.58	7.29
12'	8083	160	720	10	0.0	0.00	0.03	40	323	2.02	2.05	82	665	4.16	2966	356	2.22	0.05	42	0.26	6.69	8.75
13'	8615	160	780	10	0.0	0.00	0.03	40	345	2.15	2.18	82	709	4.43	3161	379	2.37	0.05	51	0.32	7.18	9.36
16'	9243	160	960	10	0.0	0.00	0.03	40	370	2.31	2.34	82	761	4.76	3391	407	2.54	0.06	56	0.35	7.70	10.05
19'	9476	160	1140	10	0.0	0.00	0.03	40	379	2.37	2.40	82	780	4.88	3477	417	2.61	0.06	61	0.38	7.92	10.32
20'	9774	160	1200	10	0.0	0.00	0.03	40	391	2.44	2.47	82	805	5.03	3586	430	2.69	0.06	69	0.43	8.21	10.68

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing					Offset Disc - Double (Heavy Duty)																	
17'	12110	160	1020	10	0.0	0.00	0.04	40	485	3.03	3.07	82	997	6.23	4443	533	3.33	0.08	69	0.43	10.07	13.14
18'	12591	160	1080	10	0.0	0.00	0.04	40	504	3.15	3.19	82	1036	6.48	4620	554	3.46	0.08	69	0.43	10.45	13.64
20'	13073	160	1200	10	0.0	0.00	0.04	40	523	3.27	3.31	82	1076	6.73	4796	576	3.60	0.08	69	0.43	10.83	14.14
21'	13977	160	1260	10	0.0	0.00	0.04	40	559	3.50	3.54	82	1151	7.19	5128	615	3.85	0.09	69	0.43	11.55	15.09
23'	14696	160	1320	10	0.0	0.00	0.04	40	588	3.68	3.72	82	1210	7.56	5392	647	4.04	0.09	69	0.43	12.13	15.84
25'	15562	160	1500	10	0.0	0.00	0.04	40	623	3.89	3.93	82	1281	8.01	5710	685	4.28	0.10	69	0.43	12.81	16.75
28'	18200	160	1680	10	0.0	0.00	0.04	40	728	4.55	4.59	82	1498	9.36	6678	801	5.01	0.11	69	0.43	14.91	19.51
30'	18559	160	1800	10	0.0	0.00	0.04	40	743	4.64	4.68	82	1528	9.55	6809	817	5.11	0.12	69	0.43	15.20	19.88
31'	19013	160	1860	10	0.0	0.00	0.04	40	761	4.76	4.80	82	1565	9.78	6976	837	5.23	0.12	69	0.43	15.56	20.36
Rigid					Offset Disc - Double (Extra Heavy Duty) with 4.5" x 6" tubular frame, 24" blade, 9" spacing																	
11'	8111	160	660	10	0.0	0.00	0.04	40	325	2.03	2.07	82	668	4.17	2976	357	2.23	0.05	42	0.26	6.72	8.78
13'	10698	160	780	10	0.0	0.00	0.04	40	428	2.68	2.72	82	881	5.50	3925	471	2.94	0.07	51	0.32	8.84	11.55
15'	12352	160	900	10	0.0	0.00	0.04	40	494	3.09	3.13	82	1017	6.35	4532	544	3.40	0.08	56	0.35	10.18	13.31
17'	13662	160	1020	10	0.0	0.00	0.04	40	547	3.42	3.46	82	1125	7.03	5013	602	3.76	0.09	60	0.37	11.25	14.70
19'	15030	160	1200	10	0.0	0.00	0.04	40	601	3.76	3.80	82	1237	7.73	5515	662	4.14	0.09	64	0.40	12.37	16.16

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/•	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/•	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Folding Wing																						
					Offset Disc - Double (Extra Heavy Duty)																	
27'	31193	160	1620	10	0.0	0.00	0.04	40	1248	7.80	7.84	82	2568	16.05	11445	1373	8.58	0.20	73	0.45	25.28	**33.12**
30'	33113	160	1800	10	0.0	0.00	0.04	40	1325	8.28	8.32	82	2726	17.04	12149	1458	9.11	0.21	73	0.45	26.81	**35.13**
32'	34029	160	1920	10	0.0	0.00	0.04	40	1362	8.51	8.55	82	2801	17.51	12485	1498	9.36	0.21	73	0.45	27.54	**36.09**
34'	35174	160	2040	10	0.0	0.00	0.04	40	1408	8.80	8.84	82	2895	18.10	12905	1549	9.68	0.22	73	0.45	28.45	**37.29**
36'	37427	160	2160	10	0.0	0.00	0.04	40	1498	9.36	9.40	82	3081	19.26	13732	1648	10.30	0.23	73	0.45	30.24	**39.64**
39'	38614	160	2340	10	0.0	0.00	0.04	40	1545	9.66	9.70	82	3179	19.87	14167	1700	10.63	0.24	73	0.45	31.19	**40.89**
40'	39950	160	2400	10	0.0	0.00	0.04	40	1599	9.99	10.03	82	3289	20.55	14658	1759	10.99	0.25	73	0.45	32.25	**42.28**
45'	41523	160	2700	10	0.0	0.00	0.04	40	1662	10.39	10.43	82	3418	21.36	15235	1828	11.43	0.26	73	0.45	33.50	**43.93**
47'	45523	160	2820	10	0.0	0.00	0.04	40	1822	11.39	11.43	82	3747	23.42	16702	2004	12.53	0.28	73	0.45	36.69	**48.11**
3-Point Hitch					Tandem Disc with 2" x 4" or 3" x 3" tubular frame, 20" blades, scrapers																	
6'	1602	160	220	10	0.0	0.00	0.03	40	64	0.40	0.43	82	132	0.82	588	71	0.44	0.01	23	0.14	1.42	**1.85**
7'	1814	160	260	10	0.0	0.00	0.03	40	73	0.45	0.48	82	149	0.93	666	80	0.50	0.01	25	0.16	1.60	**2.09**
8'	1928	160	300	10	0.0	0.00	0.03	40	77	0.48	0.51	82	159	0.99	707	85	0.53	0.01	28	0.17	1.71	**2.22**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rigid	Tandem Disc - Trailing with 4" x 4" or 3" x 5" tubular frame, 20" blades, scrapers, 9" spacing																					
9'	3852	160	540	10	0.0	0.00	0.04	40	154	0.96	1.00	82	317	1.98	1413	170	1.06	0.02	33	0.21	3.27	4.28
10'	4280	160	600	10	0.0	0.00	0.04	40	171	1.07	1.11	82	352	2.20	1570	188	1.18	0.03	35	0.22	3.63	4.74
12'	5607	160	720	10	0.0	0.00	0.04	40	224	1.40	1.44	82	462	2.88	2057	247	1.54	0.04	42	0.26	4.72	6.17
13'	5976	160	780	10	0.0	0.00	0.04	40	239	1.49	1.53	82	492	3.07	2193	263	1.64	0.04	46	0.29	5.04	6.58
15'	6920	160	900	10	0.0	0.00	0.04	40	277	1.73	1.77	82	570	3.56	2539	305	1.90	0.04	52	0.33	5.83	7.61
17'	7299	160	1020	10	0.0	0.00	0.04	40	292	1.83	1.87	82	601	3.76	2678	321	2.01	0.05	56	0.35	6.16	8.03
19'	7677	160	1080	10	0.0	0.00	0.04	40	307	1.92	1.96	82	632	3.95	2817	338	2.11	0.05	69	0.43	6.54	8.50
20'	8033	160	1200	10	0.0	0.00	0.04	40	321	2.01	2.05	82	661	4.13	2947	354	2.21	0.05	69	0.43	6.82	8.87
Folding Wing	Tandem Disc - Trailing																					
17'	11000	160	1020	10	0.0	0.00	0.04	40	440	2.75	2.79	82	905	5.66	4036	484	3.03	0.07	56	0.35	9.11	11.90
19'	13877	160	1140	10	0.0	0.00	0.04	40	555	3.47	3.51	82	1142	7.14	5091	611	3.82	0.09	69	0.43	11.47	14.98
21'	14099	160	1260	10	0.0	0.00	0.04	40	564	3.53	3.57	82	1161	7.25	5173	621	3.88	0.09	69	0.43	11.65	15.22
25'	15138	160	1500	10	0.0	0.00	0.04	40	606	3.79	3.83	82	1246	7.79	5554	666	4.17	0.09	69	0.43	12.48	16.30
27'	18966	160	1620	10	0.0	0.00	0.04	40	759	4.74	4.78	82	1561	9.76	6959	835	5.22	0.12	69	0.43	15.52	20.31
30'	21047	160	1800	10	0.0	0.00	0.04	40	842	5.26	5.30	82	1733	10.83	7722	927	5.79	0.13	69	0.43	17.18	22.48
34'	21401	160	2040	10	0.0	0.00	0.04	40	856	5.35	5.39	82	1762	11.01	7852	942	5.89	0.13	69	0.43	17.46	22.85

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Discer with seed and fertilizer box, fluted seed cups, auger fertilizer feed, 20" discs																						
15'	10553	160	1070	10	0.0	0.00	0.03	40	422	2.64	2.67	82	869	5.43	3872	465	2.90	0.07	20	0.13	8.53	11.20
24'	18740	160	1700	10	0.0	0.00	0.03	40	750	4.69	4.72	82	1543	9.64	6876	825	5.16	0.12	24	0.15	15.07	19.79
30'	19405	160	2140	10	0.0	0.00	0.03	40	777	4.85	4.88	82	1597	9.98	7120	854	5.34	0.12	29	0.18	15.62	20.51
36'	27815	160	2565	10	0.0	0.00	0.03	40	1113	6.96	6.99	82	2290	14.31	10205	1225	7.65	0.17	33	0.20	22.34	29.33
Harrow Drawbar hydraulic - includes harrows																						
38'-40'	3348	60	840	10	0.0	0.00	0.04	15	49	0.82	0.86	82	276	4.59	1228	147	2.46	0.06	29	0.49	7.60	8.45
44'-49'	3854	60	1130	10	0.0	0.00	0.04	15	57	0.94	0.98	82	317	5.29	1414	170	2.83	0.06	35	0.58	8.76	9.75
50'-56'	4252	60	1240	10	0.0	0.00	0.04	15	62	1.04	1.08	82	350	5.83	1560	187	3.12	0.07	43	0.72	9.75	10.83
57'-60'	6250	60	1350	10	0.0	0.00	0.04	15	92	1.53	1.57	82	514	8.57	2293	275	4.59	0.10	44	0.73	14.00	15.57
70'-80'	8611	60	1760	10	0.0	0.00	0.04	15	126	2.11	2.15	82	709	11.81	3159	379	6.32	0.14	54	0.90	19.17	21.32
90'-100'	10051	60	2060	10	0.0	0.00	0.04	15	147	2.46	2.50	82	827	13.79	3688	443	7.38	0.17	60	1.01	22.34	24.84
autofold - includes harrows																						
30'-35'	4764	60	880	10	0.0	0.00	0.04	15	70	1.17	1.21	82	392	6.54	1748	210	3.50	0.08	29	0.49	10.60	11.81
40'-46'	5108	60	1130	10	0.0	0.00	0.04	15	75	1.25	1.29	82	420	7.01	1874	225	3.75	0.09	39	0.65	11.49	12.78
47'-50'	5858	60	1250	10	0.0	0.00	0.04	15	86	1.43	1.47	82	482	8.04	2149	258	4.30	0.10	43	0.72	13.15	14.63

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Harrow Drawbar autofold - includes harrows																						
56'-60'	6352	60	1500	10	0.0	0.00	0.04	15	93	1.55	1.59	82	523	8.71	2331	280	4.66	0.11	47	0.79	14.27	15.86
63'-70'	7141	60	1750	10	0.0	0.00	0.04	15	105	1.75	1.79	82	588	9.80	2620	314	5.24	0.12	51	0.86	16.01	17.80
77'-80'	7888	60	2000	10	0.0	0.00	0.04	15	116	1.93	1.97	82	649	10.82	2894	347	5.79	0.13	56	0.93	17.67	19.64
84'-98'	9253	60	2060	10	0.0	0.00	0.04	15	136	2.26	2.30	82	762	12.69	3395	407	6.79	0.15	60	1.01	20.65	22.95
Harrow Sets: with spiketooth																						
30'-39'	1386	60	840	10	0.0	0.00		15	20	0.34	0.34	82	114	1.90	509	61	1.02	0.02	56	0.94	3.88	4.22
40'-49'	1788	60	1010	10	0.0	0.00		15	26	0.44	0.44	82	147	2.45	656	79	1.31	0.03	73	1.22	5.02	5.46
50'-59'	2190	60	1240	10	0.0	0.00		15	32	0.54	0.54	82	180	3.00	804	96	1.61	0.04	90	1.50	6.14	6.68
60'-69'	2592	60	1460	10	0.0	0.00		15	38	0.63	0.63	82	213	3.56	951	114	1.90	0.04	106	1.77	7.27	7.90
70'-79'	2994	60	1700	10	0.0	0.00		15	44	0.73	0.73	82	246	4.11	1098	132	2.20	0.05	122	2.04	8.40	9.13
80'-89'	3395	60	1940	10	0.0	0.00		15	50	0.83	0.83	82	279	4.66	1246	149	2.49	0.06	139	2.31	9.52	10.35
with parallel bar - 40"																						
30'	504	60	840	10	0.0	0.00		15	7	0.12	0.12	82	41	0.69	185	22	0.37	0.01		0.00	1.07	1.19
40'	672	60	1010	10	0.0	0.00		15	10	0.16	0.16	82	55	0.92	247	30	0.49	0.01		0.00	1.43	1.59
50'	840	60	1240	10	0.0	0.00		15	12	0.21	0.21	82	69	1.15	308	37	0.62	0.01		0.00	1.78	1.99

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Harrow Sets: with parallel bar - 40"																						
60'	1008	60	1460	10	0.0	0.00		15	15	0.25	0.25	82	83	1.38	370	44	0.74	0.02		0.00	2.14	2.39
70'	1176	60	1700	10	0.0	0.00		15	17	0.29	0.29	82	97	1.61	431	52	0.86	0.02		0.00	2.50	2.78
80'	1344	60	1940	10	0.0	0.00		15	20	0.33	0.33	82	111	1.84	493	59	0.99	0.02		0.00	2.85	3.18
with parallel bar - 60"																						
30'	498	60	840	10	0.0	0.00		15	7	0.12	0.12	82	41	0.68	183	22	0.37	0.01		0.00	1.06	1.18
40'	664	60	1010	10	0.0	0.00		15	10	0.16	0.16	82	55	0.91	244	29	0.49	0.01		0.00	1.41	1.57
50'	830	60	1240	10	0.0	0.00		15	12	0.20	0.20	82	68	1.14	305	37	0.61	0.01		0.00	1.76	1.96
60'	996	60	1460	10	0.0	0.00		15	15	0.24	0.24	82	82	1.37	365	44	0.73	0.02		0.00	2.11	2.36
70'	1162	60	1700	10	0.0	0.00		15	17	0.28	0.28	82	96	1.59	426	51	0.85	0.02		0.00	2.47	2.75
80'	1328	60	1940	10	0.0	0.00		15	19	0.32	0.32	82	109	1.82	487	58	0.97	0.02		0.00	2.82	3.14
Flexible Harrow																						
4.5'	134	60	125	10	0.0	0.00		15	2	0.03	0.03	82	11	0.18	49	6	0.10	0.00		0.00	0.28	0.32
6.0'	148	60	135	10	0.0	0.00		15	2	0.04	0.04	82	12	0.20	54	7	0.11	0.00		0.00	0.31	0.35

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Parallel Bar																						
40"	56	60	90	10	0.0	0.00		15	1	0.01	0.01	82	5	0.08	21	2	0.04	0.00		0.00	0.12	0.13
60"	83	60	125	10	0.0	0.00		15	1	0.02	0.02	82	7	0.11	30	4	0.06	0.00		0.00	0.18	0.20
3-Bar Tine																						
5'	153	60	125	10	0.0	0.00		15	2	0.04	0.04	82	13	0.21	56	7	0.11	0.00		0.00	0.32	0.36
6'	180	60	135	10	0.0	0.00		15	3	0.04	0.04	82	15	0.25	66	8	0.13	0.00		0.00	0.38	0.43
7'	191	60	160	10	0.0	0.00		15	3	0.05	0.05	82	16	0.26	70	8	0.14	0.00		0.00	0.41	0.45
4-Bar Tine																						
4.5'	202	60	115	10	0.0	0.00		15	3	0.05	0.05	82	17	0.28	74	9	0.15	0.00		0.00	0.43	0.48
6.0'	246	60	135	10	0.0	0.00		15	4	0.06	0.06	82	20	0.34	90	11	0.18	0.00		0.00	0.52	0.58
5-Bar Tine																						
5'	213	60	145	10	0.0	0.00		15	3	0.05	0.05	82	18	0.29	78	9	0.16	0.00		0.00	0.45	0.50
6'	229	60	155	10	0.0	0.00		15	3	0.06	0.06	82	19	0.31	84	10	0.17	0.00		0.00	0.49	0.54

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Triple "K" Cultivator with "s" tines, levelling bar and rota-harrows																						
15'	8265	60	525	10	0.0	0.00	0.04	8	68	1.13	1.17	82	680	11.34	3032	364	6.06	0.14	50	0.83	18.37	19.55
18'	8550	60	630	10	0.0	0.00	0.04	8	70	1.17	1.21	82	704	11.73	3137	376	6.27	0.14	52	0.87	19.02	20.23
22'	11070	60	770	10	0.0	0.00	0.04	8	91	1.52	1.56	82	911	15.19	4062	487	8.12	0.18	68	1.13	24.62	26.18
28'	13140	60	980	10	0.0	0.00	0.04	8	108	1.80	1.84	82	1082	18.03	4821	579	9.64	0.22	68	1.13	29.02	30.86
33'	14760	60	1155	10	0.0	0.00	0.04	8	122	2.03	2.07	82	1215	20.25	5415	650	10.83	0.25	68	1.13	32.46	34.52
39'	19035	60	1365	10	0.0	0.00	0.04	8	157	2.61	2.65	82	1567	26.11	6984	838	13.97	0.32	68	1.13	41.53	44.18
Moldboard Plow Integral																						
2 x 18"	2080	160	80	10	0.0	0.00	0.03	100	208	1.30	1.33	82	171	1.07	763	92	0.57	0.01	7	0.04	1.70	3.03
3 x 18"	3153	160	160	10	0.0	0.00	0.03	100	316	1.97	2.00	82	260	1.62	1157	139	0.87	0.02	13	0.08	2.59	4.60
4 x 18"	4113	160	280	10	0.0	0.00	0.03	100	412	2.58	2.61	82	339	2.12	1509	181	1.13	0.03	20	0.12	3.40	6.00
5 x 18"	4745	160	350	10	0.0	0.00	0.03	100	475	2.97	3.00	82	391	2.44	1741	209	1.31	0.03	28	0.17	3.95	6.95
2-Way Rollover																						
3 x 18"	8845	100	160	10	0.0	0.00	0.03	43	380	3.80	3.83	82	728	7.28	3245	389	3.89	0.09	13	0.13	11.39	15.23
4 x 18"	10614	140	280	10	0.0	0.00	0.03	79	836	5.97	6.00	82	874	6.24	3894	467	3.34	0.08	20	0.14	9.79	15.80
5 x 18"	13392	140	350	10	0.0	0.00	0.03	79	1055	7.54	7.57	82	1102	7.87	4914	590	4.21	0.10	28	0.20	12.38	19.95
6 x 18"	15662	140	410	10	0.0	0.00	0.03	79	1234	8.81	8.84	82	1289	9.21	5746	690	4.93	0.11	33	0.23	14.48	23.32

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs +/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation +/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Trailing Moldboard Plow with spring trip, auto. reset																						
4 x 18"	8631	140	310	10	0.0	0.00	0.03	79	680	4.86	4.89	82	710	5.07	3167	380	2.71	0.06	21	0.15	8.00	12.89
5 x 18"	10648	140	350	10	0.0	0.00	0.03	79	839	5.99	6.02	82	876	6.26	3907	469	3.35	0.08	32	0.23	9.91	15.94
6 x 18"	12588	140	420	10	0.0	0.00	0.03	79	992	7.08	7.11	82	1036	7.40	4619	554	3.96	0.09	38	0.27	11.72	18.83
7 x 18"	14060	140	500	10	0.0	0.00	0.03	79	1108	7.91	7.94	82	1157	8.27	5159	619	4.42	0.10	46	0.33	13.12	21.06
8 x 18"	16604	160	690	10	0.0	0.00	0.03	100	1664	10.40	10.43	82	1367	8.54	6092	731	4.57	0.10	51	0.32	13.54	23.97
10 x 18"	21462	160	760	10	0.0	0.00	0.03	100	2151	13.44	13.47	82	1767	11.04	7874	945	5.91	0.13	56	0.35	17.43	30.90
12 x 18"	24622	160	860	10	0.0	0.00	0.03	100	2467	15.42	15.45	82	2027	12.67	9034	1084	6.78	0.15	60	0.37	19.97	35.42
14 x 18"	30008	160	970	10	0.0	0.00	0.03	100	3007	18.79	18.82	82	2470	15.44	11010	1321	8.26	0.19	61	0.38	24.27	43.09
16 x 18"	33463	160	1070	10	0.0	0.00	0.03	100	3353	20.96	20.99	82	2755	17.22	12278	1473	9.21	0.21	63	0.39	27.03	48.01
Trailing Rodweeder																						
12'	2224	120	720	10	0.0	0.00	0.05	20	45	0.38	0.43	82	183	1.53	816	98	0.82	0.02	33	0.28	2.64	3.06
15'	2772	120	910	10	0.0	0.00	0.05	20	56	0.47	0.52	82	228	1.90	1017	122	1.02	0.02	39	0.33	3.27	3.79
18'	3399	120	1090	10	0.0	0.00	0.05	20	69	0.57	0.62	82	280	2.33	1247	150	1.25	0.03	51	0.43	4.04	4.66
24'	5011	120	1450	10	0.0	0.00	0.05	20	102	0.85	0.90	82	412	3.44	1839	221	1.84	0.04	69	0.57	5.89	6.79
30'	6644	120	1820	10	0.0	0.00	0.05	20	135	1.12	1.17	82	547	4.56	2438	293	2.44	0.06	69	0.57	7.62	8.79
36'	7267	120	2180	10	0.0	0.00	0.05	20	147	1.23	1.28	82	598	4.98	2666	320	2.67	0.06	69	0.57	8.28	9.56
48'	12912	120	2420	10	0.0	0.00	0.05	20	262	2.18	2.23	82	1063	8.86	4737	568	4.74	0.11	69	0.57	14.27	16.51
60'	16121	120	2630	10	0.0	0.00	0.05	20	329	2.74	2.79	82	1335	11.13	5951	714	5.95	0.14	69	0.57	17.79	20.58

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs -/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation -/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Trailing Rodweeder with multiplex																						
12'	2485	120	720	10	0.0	0.00	0.05	20	50	0.42	0.47	82	205	1.70	912	109	0.91	0.02	33	0.28	2.92	3.39
15'	3675	120	850	10	0.0	0.00	0.05	20	75	0.62	0.67	82	303	2.52	1348	162	1.35	0.03	39	0.33	4.23	4.90
18'	4182	120	1090	10	0.0	0.00	0.05	20	85	0.71	0.76	82	344	2.87	1534	184	1.53	0.03	51	0.43	4.87	5.62
24'	6576	120	1450	10	0.0	0.00	0.05	20	133	1.11	1.16	82	541	4.51	2413	290	2.41	0.05	69	0.57	7.55	8.71
30'	8402	120	1820	10	0.0	0.00	0.05	20	170	1.42	1.47	82	692	5.76	3083	370	3.08	0.07	69	0.57	9.49	10.96
36'	9334	120	2180	10	0.0	0.00	0.05	20	189	1.58	1.63	82	768	6.40	3425	411	3.42	0.08	69	0.57	10.48	12.10
48'	15911	120	2420	10	0.0	0.00	0.05	20	323	2.69	2.74	82	1310	10.91	5838	701	5.84	0.13	69	0.57	17.46	20.20
60'	20304	120	2660	10	0.0	0.00	0.05	20	412	3.43	3.48	82	1671	13.93	7450	894	7.45	0.17	69	0.57	22.12	25.60
Rodweeder Attachment with hydraulic power drive																						
10'	1331	120	470	10	0.0	0.00	0.04	20	27	0.23	0.26	82	110	0.91	488	59	0.49	0.01		0.00	1.41	1.68
12'	1362	120	560	10	0.0	0.00	0.04	20	28	0.23	0.27	82	112	0.93	500	60	0.50	0.01		0.00	1.45	1.72
14'	1393	120	650	10	0.0	0.00	0.04	20	28	0.24	0.28	82	115	0.96	511	61	0.51	0.01		0.00	1.48	1.75
16'	1423	120	740	10	0.0	0.00	0.04	20	29	0.24	0.28	82	117	0.98	522	63	0.52	0.01		0.00	1.51	1.79
18'	1454	120	840	10	0.0	0.00	0.04	20	29	0.25	0.29	82	120	1.00	533	64	0.53	0.01		0.00	1.54	1.83
20'	1485	120	930	10	0.0	0.00	0.04	20	30	0.25	0.29	82	122	1.02	545	65	0.54	0.01		0.00	1.58	1.87
22'	1513	120	1030	10	0.0	0.00	0.04	20	31	0.26	0.30	82	125	1.04	555	67	0.56	0.01		0.00	1.61	1.90
24'	1547	120	1120	10	0.0	0.00	0.04	20	31	0.26	0.30	82	127	1.06	568	68	0.57	0.01		0.00	1.64	1.94

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs +/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation +/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rodweeder Attachment with hydraulic power drive																						
26'	1577	120	1210	10	0.0	0.00	0.04	20	32	0.27	0.31	82	130	1.08	579	69	0.58	0.01		0.00	1.67	1.98
28'	1781	120	1300	10	0.0	0.00	0.04	20	36	0.30	0.34	82	147	1.22	653	78	0.65	0.01		0.00	1.89	2.23
30'	1837	120	1400	10	0.0	0.00	0.04	20	37	0.31	0.35	82	151	1.26	674	81	0.67	0.02		0.00	1.95	2.30
32'	1893	120	1470	10	0.0	0.00	0.04	20	38	0.32	0.36	82	156	1.30	695	83	0.69	0.02		0.00	2.01	2.37
34'	1949	120	1560	10	0.0	0.00	0.04	20	40	0.33	0.37	82	160	1.34	715	86	0.72	0.02		0.00	2.07	2.44
36'	2006	120	1620	10	0.0	0.00	0.04	20	41	0.34	0.38	82	165	1.38	736	88	0.74	0.02		0.00	2.13	2.51
38'	2062	120	1710	10	0.0	0.00	0.04	20	42	0.35	0.39	82	170	1.41	757	91	0.76	0.02		0.00	2.19	2.58
40'	2118	120	1800	10	0.0	0.00	0.04	20	43	0.36	0.40	82	174	1.45	777	93	0.78	0.02		0.00	2.25	2.65
Rotary Tiller with 540 r.p.m P.T.O																						
Up To 25 hp																						
32"	1369	100	60	10	0.0	0.00	0.03	36	49	0.49	0.52	82	113	1.13	502	60	0.60	0.01	8	0.08	1.82	2.35
39"	1517	100	70	10	0.0	0.00	0.03	36	55	0.55	0.58	82	125	1.25	557	67	0.67	0.02	8	0.08	2.01	2.59
45"	1593	100	80	10	0.0	0.00	0.03	36	57	0.57	0.60	82	131	1.31	584	70	0.70	0.02	8	0.08	2.11	2.71
50"	1660	100	90	10	0.0	0.00	0.03	36	60	0.60	0.63	82	137	1.37	609	73	0.73	0.02	8	0.08	2.20	2.82
Up To 35 hp																						
48"	2277	100	85	10	0.0	0.00	0.03	36	82	0.82	0.85	82	187	1.87	835	100	1.00	0.02	8	0.08	2.98	3.83
56"	2432	100	100	10	0.0	0.00	0.03	36	88	0.88	0.91	82	200	2.00	892	107	1.07	0.02	8	0.08	3.18	4.08

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs +/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation +/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rotary Tiller with 540 r.p.m P.T.O																						
Up To 40 hp																						
32"	1366	100	60	10	0.0	0.00	0.03	36	49	0.49	0.52	82	112	1.12	501	60	0.60	0.01	8	0.08	1.82	2.34
40"	1472	100	70	10	0.0	0.00	0.03	36	53	0.53	0.56	82	121	1.21	540	65	0.65	0.01	8	0.08	1.96	2.52
48"	1666	100	85	10	0.0	0.00	0.03	36	60	0.60	0.63	82	137	1.37	611	73	0.73	0.02	8	0.08	2.20	2.83
Up To 50 hp																						
40"	1795	100	70	10	0.0	0.00	0.03	36	65	0.65	0.68	82	148	1.48	659	79	0.79	0.02	8	0.08	2.37	3.04
44"	1820	100	80	10	0.0	0.00	0.03	36	66	0.66	0.69	82	150	1.50	668	80	0.80	0.02	8	0.08	2.40	3.08
48"	1902	100	85	10	0.0	0.00	0.03	36	68	0.68	0.71	82	157	1.57	698	84	0.84	0.02	8	0.08	2.50	3.22
56"	1930	100	100	10	0.0	0.00	0.03	36	69	0.69	0.72	82	159	1.59	708	85	0.85	0.02	8	0.08	2.54	3.26
60"	2150	100	105	10	0.0	0.00	0.03	36	77	0.77	0.80	82	177	1.77	789	95	0.95	0.02	8	0.08	2.82	3.62
Up To 70 hp																						
44"	2020	100	80	10	0.0	0.00	0.03	36	73	0.73	0.76	82	166	1.66	741	89	0.89	0.02	8	0.08	2.65	3.41
52"	2348	100	95	10	0.0	0.00	0.03	36	85	0.85	0.88	82	193	1.93	861	103	1.03	0.02	8	0.08	3.07	3.95
60"	2501	100	105	10	0.0	0.00	0.03	36	90	0.90	0.93	82	206	2.06	918	110	1.10	0.03	8	0.08	3.27	4.20
72"	2582	100	145	10	0.0	0.00	0.03	36	93	0.93	0.96	82	213	2.13	947	114	1.14	0.03	11	0.11	3.39	4.35
84"	3310	100	165	10	0.0	0.00	0.03	36	119	1.19	1.22	82	272	2.72	1214	146	1.46	0.03	13	0.13	4.35	5.57

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rotary Tiller with 540 r.p.m P.T.O																						
Up To 100 hp																						
60"	3635	100	155	10	0.0	0.00	0.03	36	131	1.31	1.34	82	299	2.99	1334	160	1.60	0.04	8	0.08	4.71	6.05
72"	3843	100	190	10	0.0	0.00	0.03	36	138	1.38	1.41	82	316	3.16	1410	169	1.69	0.04	9	0.09	4.98	6.40
80"	4205	100	210	10	0.0	0.00	0.03	36	151	1.51	1.54	82	346	3.46	1543	185	1.85	0.04	11	0.11	5.46	7.00
88"	4513	100	230	10	0.0	0.00	0.03	36	162	1.62	1.65	82	371	3.71	1656	199	1.99	0.05	11	0.11	5.85	7.51
100"	5400	100	260	10	0.0	0.00	0.03	36	194	1.94	1.97	82	445	4.45	1981	238	2.38	0.05	11	0.11	6.98	8.96
with 1000 r.p.m P.T.O																						
Up To 175 hp																						
100"	6854	100	260	10	0.0	0.00	0.03	36	247	2.47	2.50	82	564	5.64	2515	302	3.02	0.07	11	0.11	8.83	11.33
118"	7887	100	310	10	0.0	0.00	0.03	36	284	2.84	2.87	82	649	6.49	2894	347	3.47	0.08	13	0.13	10.17	13.04

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs +/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation +/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
PLANTING EQUIPMENT																						
End Wheel Drill with marker disc, acre meter																						
10'	6500	100	360	10	0.0	0.00	0.05	54	351	3.51	3.56	82	535	5.35	2385	286	2.86	0.07	35	0.35	8.63	12.19
12'	8660	100	440	10	0.0	0.00	0.05	54	468	4.68	4.73	82	713	7.13	3177	381	3.81	0.09	40	0.40	11.43	16.15
13'	9001	100	470	10	0.0	0.00	0.05	54	486	4.86	4.91	82	741	7.41	3302	396	3.96	0.09	46	0.46	11.92	16.83
14'	9917	100	510	10	0.0	0.00	0.05	54	536	5.36	5.41	82	816	8.16	3639	437	4.37	0.10	51	0.51	13.14	18.55
Press Drill with double disc																						
8'	9099	100	290	10	0.0	0.00	0.05	54	491	4.91	4.96	82	749	7.49	3338	401	4.01	0.09	29	0.29	11.88	16.84
10'	10908	100	360	10	0.0	0.00	0.05	54	589	5.89	5.94	82	898	8.98	4002	480	4.80	0.11	35	0.35	14.24	20.18
12'	11700	100	425	10	0.0	0.00	0.05	54	632	6.32	6.37	82	963	9.63	4293	515	5.15	0.12	39	0.39	15.29	21.66
14'	13025	100	480	10	0.0	0.00	0.05	54	703	7.03	7.08	82	1072	10.72	4779	573	5.73	0.13	51	0.51	17.10	24.18
with hoe opener																						
8'	8273	100	290	10	0.0	0.00	0.05	54	447	4.47	4.52	82	681	6.81	3035	364	3.64	0.08	29	0.29	10.83	15.35
10'	9455	100	360	10	0.0	0.00	0.05	54	511	5.11	5.16	82	778	7.78	3469	416	4.16	0.09	35	0.35	12.39	17.55
12'	11250	100	440	10	0.0	0.00	0.05	54	607	6.07	6.12	82	926	9.26	4128	495	4.95	0.11	46	0.46	14.78	20.91
14'	13725	100	510	10	0.0	0.00	0.05	54	741	7.41	7.46	82	1130	11.30	5036	604	6.04	0.14	51	0.51	17.99	25.45

TABLE 6

					VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs			total	depreciation			interest			ins	housing		total	COSTS
replacement	ave cash price	annual use hrs	annual use acres	est yrs used	gal /hr	$/ hr	$/ hr	%	$/ yr	$/ hr	per hour	%	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
hoe opener with transport																						
14'	18540	100	510	10	0.0	0.00	0.05	54	1001	10.01	10.06	82	1526	15.26	6802	816	8.16	0.19	51	0.51	24.12	34.19
21'	27810	100	760	10	0.0	0.00	0.05	54	1502	15.02	15.07	82	2289	22.89	10203	1224	12.24	0.28	78	0.78	36.20	51.27
28'	37888	100	1010	10	0.0	0.00	0.05	54	2046	20.46	20.51	82	3119	31.19	13901	1668	16.68	0.38	104	1.04	49.29	69.80
35'	46350	100	1260	10	0.0	0.00	0.05	54	2503	25.03	25.08	82	3815	38.15	17006	2041	20.41	0.46	132	1.32	60.35	85.43
42'	55620	100	1510	10	0.0	0.00	0.05	54	3003	30.03	30.08	82	4578	45.78	20407	2449	24.49	0.56	157	1.57	72.40	102.48
49'	65160	100	1760	10	0.0	0.00	0.05	54	3519	35.19	35.24	82	5364	53.64	23907	2869	28.69	0.65	183	1.83	84.81	120.04
56'	74430	100	2020	10	0.0	0.00	0.05	54	4019	40.19	40.24	82	6127	61.27	27308	3277	32.77	0.75	209	2.09	96.87	137.11
Zero Till Drill with grass attachment																						
12-row	18318	100	440	10	0.0	0.00	0.05	54	989	9.89	9.94	82	1508	15.08	6721	807	8.07	0.18	33	0.33	23.65	33.60
24-row	36636	100	880	10	0.0	0.00	0.05	54	1978	19.78	19.83	82	3016	30.16	13442	1613	16.13	0.37	72	0.72	47.37	67.21

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Air Seeder* with field cultivator																						
24	34325	200	10		1.5	1.72	0.26	79	2718	13.59	15.57	82	2825	14.13	12594	1511	7.56	0.17	72	0.36	22.21	37.79
28	37619	200	10		1.5	1.72	0.26	79	2978	14.89	16.88	82	3097	15.48	13802	1656	8.28	0.19	72	0.36	24.31	41.19
35	41546	200	10		1.5	1.72	0.26	79	3289	16.45	18.43	82	3420	17.10	15243	1829	9.15	0.21	72	0.36	26.81	45.24
42	43103	200	10		1.5	1.72	0.26	79	3412	17.06	19.05	82	3548	17.74	15814	1898	9.49	0.22	72	0.36	27.80	46.85
48	47341	200	10		1.5	1.72	0.26	79	3748	18.74	20.72	82	3897	19.48	17369	2084	10.42	0.24	72	0.36	30.50	51.23
with chisel plow																						
24	39936	200	10		1.5	1.72	0.26	100	4005	20.02	22.01	82	3287	16.44	14653	1758	8.79	0.20	72	0.36	25.79	47.80
28	42741	200	10		1.5	1.72	0.26	100	4286	21.43	23.41	82	3518	17.59	15682	1882	9.41	0.21	72	0.36	27.57	50.99
35	43841	200	10		1.5	1.72	0.26	100	4396	21.98	23.97	82	3609	18.04	16085	1930	9.65	0.22	72	0.36	28.27	52.24
42	45561	200	10		1.5	1.72	0.26	100	4569	22.84	24.83	82	3750	18.75	16716	2006	10.03	0.23	72	0.36	29.37	54.20
48	58000	200	10		1.5	1.72	0.26	100	5816	29.08	31.07	82	4774	23.87	21280	2554	12.77	0.29	72	0.36	37.29	68.36
Air Seeder Unit pulled between implement and tractor																						
	25741	100	10		1.5	1.72	0.26	12	309	3.09	5.07	82	2119	21.19	9444	1133	11.33	0.26	35	0.35	33.13	38.20

* Includes boots, hoses, mounting equipment, proportionator.

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Drill Fill with telescoping spout																						
Electric																						
4" x 11'	575	10		10	0.0	0.00		1	0	0.05	0.05	83	48	4.80	199	24	2.39	0.05		0.00	7.24	7.29
Hydraulic																						
4" x 11'	595	10		10	0.0	0.00		1	0	0.05	0.05	83	50	4.97	206	25	2.47	0.06		0.00	7.49	7.54
4" x 13"	616	10		10	0.0	0.00		1	0	0.05	0.05	83	51	5.14	213	26	2.56	0.06		0.00	7.76	7.81
4" x 16'	643	10		10	0.0	0.00		1	1	0.05	0.05	83	54	5.37	222	27	2.67	0.06		0.00	8.10	8.15
5" x 11'	632	10		10	0.0	0.00		1	1	0.05	0.05	83	53	5.28	219	26	2.62	0.06		0.00	7.96	8.01
5" x 14'	654	10		10	0.0	0.00		1	1	0.05	0.05	83	55	5.46	226	27	2.71	0.06		0.00	8.24	8.29
5" x 16'	673	10		10	0.0	0.00		1	1	0.05	0.05	83	56	5.62	233	28	2.79	0.06		0.00	8.48	8.53
5" x 21'	709	10		10	0.0	0.00		1	1	0.06	0.06	83	59	5.92	245	29	2.94	0.07		0.00	8.93	8.99

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
ROW CROP EQUIPMENT																						
Cultivator																						
22" Row Spacing																						
6-row	5765	160	610	10	0.0	0.00	0.04	62	357	2.23	2.27	82	475	2.97	2115	254	1.59	0.04	24	0.15	4.74	7.01
8-row	7395	160	840	10	0.0	0.00	0.04	62	458	2.86	2.90	82	609	3.80	2713	326	2.03	0.05	33	0.20	6.09	8.99
12-row	11161	160	1230	10	0.0	0.00	0.04	62	691	4.32	4.36	82	919	5.74	4095	491	3.07	0.07	47	0.30	9.18	13.53
Ridger																						
24" Row Spacing																						
6-row	5491	160	610	10	0.0	0.00	0.04	62	340	2.12	2.16	82	452	2.82	2015	242	1.51	0.03	24	0.15	4.52	6.68
8-row	6281	160	840	10	0.0	0.00	0.04	62	389	2.43	2.47	82	517	3.23	2304	277	1.73	0.04	33	0.20	5.20	7.67
12-row	10450	160	1230	10	0.0	0.00	0.04	62	647	4.04	4.08	82	860	5.38	3834	460	2.88	0.07	47	0.30	8.61	12.69
Potato Harvester - Pull Type																						
Without Blower																						
2-row	39564	200	200	10	0.0	0.00	0.08	50	1984	9.92	10.00	82	3257	16.28	14516	1742	8.71	0.20	131	0.66	25.85	35.85
With Blower																						
2-row	43182	200	200	10	0.0	0.00	0.08	50	2165	10.83	10.91	82	3555	17.77	15843	1901	9.51	0.22	131	0.66	28.15	39.06

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Potato Piler																						
Standard																						
24'	25020	200		10	0.0	0.00	0.04	61	1519	7.59	7.63	82	2060	10.30	9180	1102	5.51	0.13	68	0.34	16.27	23.90
Telescoping																						
40'	32543	200		10	0.0	0.00	0.04	61	1975	9.88	9.92	82	2679	13.39	11940	1433	7.16	0.16	111	0.56	21.28	31.19
Tube																						
42'	21600	200		10	0.0	0.00	0.04	61	1311	6.56	6.60	82	1778	8.89	7925	951	4.76	0.11	118	0.59	14.34	20.94
Pneumatic Combination Planter																						
Mounted																						
22" - 40" Row Spacing																						
4-row	6698	60	180	10	0.0	0.00	0.04	18	124	2.06	2.10	82	551	9.19	2457	295	4.91	0.11	54	0.90	15.11	17.22
6-row	9120	60	270	10	0.0	0.00	0.04	18	168	2.81	2.85	82	751	12.51	3346	402	6.69	0.15	65	1.09	20.44	23.29
8-row	11220	60	360	10	0.0	0.00	0.04	18	207	3.45	3.49	82	924	15.39	4117	494	8.23	0.19	72	1.20	25.01	28.50
30" - 40" Row Spacing																						
6-row	11292	60	270	10	0.0	0.00	0.04	18	209	3.48	3.52	82	930	15.49	4143	497	8.29	0.19	65	1.09	25.05	28.57
8-row	13376	60	360	10	0.0	0.00	0.04	18	247	4.12	4.16	82	1101	18.35	4908	589	9.82	0.22	72	1.20	29.59	33.74

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Pneumatic Combination Planter																						
Folding Wing																						
22" Row Spacing																						
12-row	18582	60	540	10	0.0	0.00	0.04	18	343	5.72	5.76	82	1530	25.49	6818	818	13.64	0.31	72	1.20	40.64	**46.40**
Pull-Type																						
30" - 36" Row Spacing																						
6-row	11448	60	270	10	0.0	0.00	0.04	18	211	3.52	3.56	82	942	15.71	4200	504	8.40	0.19	65	1.09	25.39	**28.95**
32" - 40" Row Spacing																						
6-row	12303	60	270	10	0.0	0.00	0.04	18	227	3.79	3.83	82	1013	16.88	4514	542	9.03	0.21	65	1.09	27.20	**31.03**
8-row	14906	60	360	10	0.0	0.00	0.04	18	275	4.59	4.63	82	1227	20.45	5469	656	10.94	0.25	72	1.20	32.83	**37.46**
Potato Planter with fertilizer attachment																						
2-row	19955	60	90	10	0.0	0.00	0.04	18	369	6.14	6.18	82	1643	27.38	7321	879	14.64	0.33	43	0.72	43.07	**49.26**
4-row	25078	60	180	10	0.0	0.00	0.04	18	463	7.72	7.76	82	2064	34.41	9201	1104	18.40	0.42	54	0.90	54.12	**61.88**
6-row	34282	60	270	10	0.0	0.00	0.04	18	633	10.55	10.59	82	2822	47.03	12578	1509	25.16	0.57	65	1.09	73.85	**84.44**
8-row	36747	60	360	10	0.0	0.00	0.04	18	679	11.31	11.35	82	3025	50.41	13482	1618	26.96	0.61	72	1.20	79.19	**90.54**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Potato Scooper																						
20"	14175	140		10	0.0	0.00	0.03	30	431	3.08	3.11	82	1167	8.33	5201	624	4.46	0.10	29	0.20	13.10	16.21
24"	14850	140		10	0.0	0.00	0.03	30	452	3.23	3.26	82	1222	8.73	5448	654	4.67	0.11	29	0.20	13.71	16.97
Potato Seed Cutter																						
36"	10700	100		10	0.0	0.00	0.03	23	246	2.46	2.49	82	881	8.81	3926	471	4.71	0.11	29	0.29	13.91	16.40
Sugar Beet Planter																						
4-row	2721	80	270	10	0.0	0.00	0.05	34	92	1.15	1.20	82	224	2.80	998	120	1.50	0.03	33	0.42	4.75	5.95
6-row	4082	80	410	10	0.0	0.00	0.05	34	138	1.72	1.77	82	336	4.20	1498	180	2.25	0.05	35	0.44	6.94	8.71
12-row	8163	80	550	10	0.0	0.00	0.05	34	276	3.45	3.50	82	672	8.40	2995	359	4.49	0.10	43	0.54	13.53	17.03
Sugar Beet Harvester																						
Gear Driven																						
3-row	21150	180	320	10	0.0	0.00	0.07	43	915	5.08	5.15	82	1741	9.67	7760	931	5.17	0.12	122	0.68	15.64	20.79
4-row	22725	180	400	10	0.0	0.00	0.07	43	983	5.46	5.53	82	1871	10.39	8338	1001	5.56	0.13	149	0.83	16.90	22.43
6-row	26910	180	480	10	0.0	0.00	0.07	43	1164	6.47	6.54	82	2215	12.31	9873	1185	6.58	0.15	181	1.01	20.04	26.58

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sugar Beet Harvester																						
Hydraulic Driven																						
3-row	22050	180	320	10	0.0	0.00	0.07	43	954	5.30	5.37	82	1815	10.08	8090	971	5.39	0.12	122	0.68	16.28	21.65
4-row	23850	180	400	10	0.0	0.00	0.07	43	1032	5.73	5.80	82	1963	10.91	8751	1050	5.83	0.13	149	0.83	17.70	23.50
Sugar Beet Top Saver with toppers and elevator assembly																						
3-row	6386	130	200	10	0.0	0.00	0.04	33	212	1.63	1.67	82	526	4.04	2343	281	2.16	0.05	33	0.25	6.51	8.18
4-row	6926	130	260	10	0.0	0.00	0.04	33	230	1.77	1.81	82	570	4.39	2541	305	2.35	0.05	39	0.30	7.09	8.90
6-row	9333	130	300	10	0.0	0.00	0.04	33	310	2.38	2.42	82	768	5.91	3424	411	3.16	0.07	40	0.31	9.45	11.87
Sugar Beet Defoliator																						
6-row	16438	130	420	10	0.0	0.00	0.04	35	546	4.20	4.24	82	1353	10.41	6031	724	5.57	0.13	64	0.49	16.59	20.83
24" Row Spacing																						
6-row	5081	100		10	0.0	0.00	0.03	20	102	1.02	1.05	82	418	4.18	1864	224	2.24	0.05	29	0.29	6.76	7.80
8-row	6962	100		10	0.0	0.00	0.03	20	139	1.39	1.42	82	573	5.73	2554	307	3.07	0.07	29	0.29	9.15	10.57

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Bean Cutter																						
30" Row Spacing																						
6-row	5543	100		10	0.0	0.00	0.03	20	111	1.11	1.14	82	456	4.56	2034	244	2.44	0.06	29	0.29	7.34	8.48
8-row	7110	100		10	0.0	0.00	0.03	20	142	1.42	1.45	82	585	5.85	2609	313	3.13	0.07	29	0.29	9.34	10.79
Row Crop Sprayer																						
On Angle Guides - 22" Row Spacing																						
125 gal.																						
6-row	2261	60	360	15	0.0	0.00	0.03	36	54	0.90	0.93	90	136	2.27	654	78	1.31	0.03	8	0.14	3.74	4.67
8-row	2630	60	490	15	0.0	0.00	0.03	36	63	1.04	1.07	90	159	2.64	760	91	1.52	0.03	8	0.14	4.33	5.41
12-row	3523	60	720	15	0.0	0.00	0.03	36	84	1.40	1.43	90	212	3.54	1018	122	2.04	0.05	8	0.14	5.76	7.19
200 gal.																						
6-row	2301	60	360	15	0.0	0.00	0.03	36	55	0.91	0.94	90	139	2.31	665	80	1.33	0.03	8	0.14	3.81	4.75
8-row	2670	60	490	15	0.0	0.00	0.03	36	64	1.06	1.09	90	161	2.68	772	93	1.54	0.04	8	0.14	4.40	5.49
12-row	3637	60	720	15	0.0	0.00	0.03	36	87	1.44	1.47	90	219	3.65	1051	126	2.10	0.05	8	0.14	5.94	7.41
On "V" Wheels - 22" Row Spacing																						
125 gal.																						
6-row	2375	60	360	15	0.0	0.00	0.03	36	57	0.94	0.97	90	143	2.39	687	82	1.37	0.03	8	0.14	3.93	4.90
8-row	2744	60	490	15	0.0	0.00	0.03	36	65	1.09	1.12	90	165	2.76	793	95	1.59	0.04	8	0.14	4.51	5.63
12-row	3637	60	720	15	0.0	0.00	0.03	36	87	1.44	1.47	90	219	3.65	1051	126	2.10	0.05	8	0.14	5.94	7.41

TABLE 6

					VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs			total	depreciation			interest			ins	housing		total	COSTS
replacement	ave cash price	annual use hrs	annual use acres	est yrs used	gal /hr	$/ hr	$/ hr	-/-	$/ yr	$/ hr	per hour	-/-	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Row Crop Sprayer																						
On "V" Wheels - 22" Row Spacing																						
200 gal.																						
6-row	2415	60	360	15	0.0	0.00	0.03	36	58	0.96	0.99	90	146	2.43	698	84	1.40	0.03	8	0.14	3.99	4.98
8-row	2784	60	490	15	0.0	0.00	0.03	36	66	1.11	1.14	90	168	2.80	805	97	1.61	0.04	8	0.14	4.58	5.71
12-row	3677	60	720	15	0.0	0.00	0.03	36	88	1.46	1.49	90	222	3.69	1063	128	2.13	0.05	8	0.14	6.00	7.49
Corn Planter - Drawn																						
Narrow (35")																						
6-row	18920	80	270	10	0.0	0.00	0.07	34	639	7.99	8.06	82	1557	19.47	6942	833	10.41	0.24	38	0.47	30.59	38.65
8-row	22880	80	360	10	0.0	0.00	0.10	34	773	9.67	9.77	82	1883	23.54	8395	1007	12.59	0.29	43	0.54	36.96	46.73
12-row	32560	80	500	10	0.0	0.00	0.12	34	1100	13.76	13.88	82	2680	33.50	11946	1434	17.92	0.41	47	0.59	52.42	66.30
Maxi-Emerg																						
16-row	35120	80	720	10	0.0	0.00	0.14	34	1187	14.84	14.98	82	2891	36.14	12886	1546	19.33	0.44	51	0.64	56.55	71.52
24-row	101200	80	1080	10	0.0	0.00	0.20	34	3420	42.75	42.95	82	8330	104.13	37130	4456	55.70	1.27	64	0.80	161.89	204.84
Corn Header for combine																						
30" Row Spacing																						
4-row	15445	120		10	0.0	0.00	0.05	21	329	2.74	2.79	83	1290	10.75	5341	641	5.34	0.12	11	0.09	16.30	19.09
6-row	20137	120		10	0.0	0.00	0.07	21	429	3.57	3.64	83	1681	14.01	6963	836	6.96	0.16	14	0.12	21.25	24.89
8-row	27179	120		10	0.0	0.00	0.09	21	579	4.82	4.91	83	2269	18.91	9398	1128	9.40	0.21	16	0.14	28.66	33.57

TABLE 6

		annual use		est	VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs		total		depreciation			interest		ins	housing		total		
implement	ave cash price	hrs	acres	yrs used	gal /hr	$/ hr	$/ hr	%	$/ yr	$/ hr	per hour	%	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Corn Header for combine																						
38" Row Spacing																						
4-row	16141	120		10	0.0	0.00	0.05	21	344	2.86	2.91	83	1348	11.23	5582	670	5.58	0.13	11	0.09	17.03	19.94
6-row	22457	120		10	0.0	0.00	0.07	21	478	3.98	4.05	83	1875	15.63	7766	932	7.77	0.18	14	0.12	23.68	27.74
8-row	28527	120		10	0.0	0.00	0.09	21	607	5.06	5.15	83	2382	19.85	9865	1184	9.86	0.22	16	0.14	30.07	35.23
for forage harvester																						
30" Row Spacing																						
2-row	4988	120		10	0.0	0.00	0.07	21	106	0.89	0.96	83	416	3.47	1725	207	1.72	0.04	14	0.12	5.35	6.31
3-row	8221	120		10	0.0	0.00	0.09	21	175	1.46	1.55	83	686	5.72	2843	341	2.84	0.06	16	0.14	8.76	10.31
4-row	19184	120		10	0.0	0.00	0.11	21	408	3.40	3.51	83	1602	13.35	6634	796	6.63	0.15	20	0.16	20.30	23.81

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HAY MACHINERY																						
Square Baler - P.T.O Drive																						
std. 61"	9707	120	200	15	0.0	0.00	0.07	66	429	3.57	3.64	91	589	4.91	2637	316	2.64	0.06	56	0.46	8.07	11.71
h. duty < 70"	1669	120	200	15	0.0	0.00	0.07	66	515	4.30	4.37	91	708	5.90	3170	380	3.17	0.07	56	0.46	9.81	13.97
h. duty > 70"	16640	120	200	15	0.0	0.00	0.07	66	735	6.12	6.19	91	1010	8.42	4521	543	4.52	0.10	56	0.46	13.50	19.70
cust.16x18 "	16839	120	200	15	0.0	0.00	0.07	66	744	6.20	6.27	91	1022	8.52	4575	549	4.58	0.10	56	0.46	13.66	19.93
Big Square Baler - P.T.O Drive																						
1500-2000 lbs	66700	120	200	15	0.0	0.00	0.07	66	2946	24.55	24.62	91	4048	33.74	18122	2175	18.12	0.41	59	0.49	52.76	77.38
Round Baler - P.T.O Drive																						
4'x5'	15261	120	200	15	0.0	0.00	0.07	66	674	5.62	5.69	91	926	7.72	4146	498	4.15	0.09	59	0.49	12.45	18.14
5'x6'	17774	120	200	15	0.0	0.00	0.07	66	785	6.54	6.61	91	1079	8.99	4829	580	4.83	0.11	59	0.49	14.42	21.03
Self-Propelled Baler																						
gasoline	62990	120	200	15	7.0	8.40	1.26	66	2782	23.19	32.85	91	3823	31.86	17114	2054	17.11	0.39	68	0.56	49.93	82.77

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Bale Elevator																						
16'	520	120		15	0.0	0.00	0.03	34	12	0.10	0.13	91	32	0.26	141	17	0.14	0.00	12	0.10	0.51	0.64
20'	626	120		15	0.0	0.00	0.03	34	14	0.12	0.15	91	38	0.32	170	20	0.17	0.00	12	0.10	0.59	0.74
24'	709	120		15	0.0	0.00	0.03	34	16	0.14	0.17	91	43	0.36	193	23	0.19	0.00	12	0.10	0.66	0.82
Extension For Bale Elevator																						
4'	106	120		15	0.0	0.00		34	2	0.02	0.02	91	6	0.05	29	3	0.03	0.00		0.00	0.08	0.10
8'	189	120		15	0.0	0.00		34	4	0.04	0.04	91	11	0.10	51	6	0.05	0.00		0.00	0.15	0.18
16'	446	120		15	0.0	0.00		34	10	0.09	0.09	91	27	0.23	121	15	0.12	0.00		0.00	0.35	0.43
Transport For Bale Elevator																						
24'	302	120		15	0.0	0.00		34	7	0.06	0.06	91	18	0.15	82	10	0.08	0.00		0.00	0.24	0.29
36'	582	120		15	0.0	0.00		34	13	0.11	0.11	91	35	0.29	158	19	0.16	0.00		0.00	0.46	0.57

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Bale Wagon																						
55 bales	13700	120		15	0.0	0.00	0.06	41	373	3.10	3.16	90	826	6.88	3961	475	3.96	0.09	76	0.63	11.56	**14.73**
70 bales	18592	120		15	0.0	0.00	0.06	41	506	4.21	4.27	90	1120	9.34	5375	645	5.37	0.12	89	0.74	15.58	**19.85**
90 bales	20268	120		15	0.0	0.00	0.06	41	551	4.59	4.65	90	1221	10.18	5859	703	5.86	0.13	113	0.95	17.12	**21.77**
104 bales	22276	120		15	0.0	0.00	0.06	41	606	5.05	5.11	90	1342	11.19	6440	773	6.44	0.15	113	0.95	18.72	**23.83**
160 bales	26619	120		15	0.0	0.00	0.06	41	724	6.03	6.09	90	1604	13.37	7696	923	7.70	0.18	113	0.95	22.18	**28.28**
Self-Propelled Bale Wagon with gasoline engine																						
89 bales	61712	120	220	15	7.0	8.40	1.26	41	1678	13.99	23.65	90	3719	30.99	17841	2141	17.84	0.41	122	1.01	50.25	**73.90**
160 bales	67357	120	220	15	8.0	9.60	1.44	41	1832	15.27	26.31	90	4059	33.83	19473	2337	19.47	0.44	144	1.20	54.95	**81.25**
with diesel engine																						
160 bales	70832	120	220	15	8.0	9.20	1.38	41	1926	16.05	26.63	91	4299	35.83	20478	2457	20.48	0.47	144	1.20	57.97	**84.61**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Round Bale Mover for large round bales																						
4 bales	6900	60		15	0.0	0.00	0.04	17	76	1.27	1.31	90	416	6.93	1995	239	3.99	0.09	51	0.86	11.87	13.18
8 bales	9900	60		15	0.0	0.00	0.04	17	109	1.82	1.86	90	597	9.94	2862	343	5.72	0.13	99	1.65	17.44	19.31
12 bales	12212	60		15	0.0	0.00	0.04	17	135	2.25	2.29	90	736	12.27	3530	424	7.06	0.16	150	2.50	21.99	24.28
Forage Box self-unloading with running gear																						
600 bu.	8882	160		15	0.0	0.00	0.04	59	351	2.19	2.23	91	539	3.37	2413	290	1.81	0.04	46	0.29	5.51	7.74
677 bu.	11149	160		15	0.0	0.00	0.04	59	441	2.75	2.79	91	677	4.23	3029	364	2.27	0.05	46	0.29	6.84	9.63
Forage Blower																						
under 56"	3681	120		15	0.0	0.00	0.04	40	99	0.82	0.86	90	222	1.85	1064	128	1.06	0.02	13	0.11	3.05	3.91
56"	4214	120		15	0.0	0.00	0.04	40	113	0.94	0.98	90	254	2.12	1218	146	1.22	0.03	13	0.11	3.47	4.46
over 56"	4767	120		15	0.0	0.00	0.04	40	128	1.07	1.11	90	287	2.39	1378	165	1.38	0.03	13	0.11	3.91	5.02
Forage Blower Processor																						
	13500	120		15	0.0	0.00	0.04	40	363	3.02	3.06	90	814	6.78	3903	468	3.90	0.09	13	0.11	10.88	13.95

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs +/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation +/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Forage Chopper																						
6'	7579	120	370	15	0.0	0.00	0.03	40	204	1.70	1.73	90	457	3.81	2191	263	2.19	0.05	33	0.27	6.32	**8.05**
Forage Harvester - P.T.O Drive																						
under 20"	18155	120	130	15	0.0	0.00	0.04	66	802	6.68	6.72	91	1102	9.18	4933	592	4.93	0.11	29	0.24	14.47	**21.19**
over 20"	24001	120	160	15	0.0	0.00	0.04	66	1060	8.83	8.87	91	1457	12.14	6521	783	6.52	0.15	33	0.27	19.08	**27.95**
Self-Propelled Forage Harvester with hydrostatic drive																						
Engine - hp																						
170	108664	120	160	15	8.0	9.20	1.38	35	2504	20.87	31.45	91	6595	54.96	29524	3543	29.52	0.67	39	0.33	85.48	**116.93**
225-250	120986	120	160	15	12.0	13.80	2.07	35	2788	23.23	39.10	91	7343	61.19	32872	3945	32.87	0.75	42	0.35	95.16	**134.26**
Hay Stacker																						
1 ton	11700	120		10	0.0	0.00	0.03	72	374	3.11	3.14	83	977	8.14	3179	381	3.18	0.07	43	0.36	11.75	**14.90**
3 ton	18990	120		10	0.0	0.00	0.03	72	606	5.05	5.08	83	1586	13.21	5160	619	5.16	0.12	43	0.36	18.85	**23.93**
6 ton	43200	120		10	0.0	0.00	0.03	72	1380	11.50	11.53	83	3607	30.06	11737	1408	11.74	0.27	43	0.36	42.42	**53.95**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs -/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation -/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Hay Stack Mover																						
8 ton	6210	120		15	0.0	0.00	0.05	41	169	1.41	1.46	91	377	3.14	1687	202	1.69	0.04	69	0.57	5.44	6.90
10 ton	9900	120		15	0.0	0.00	0.05	41	269	2.24	2.29	91	601	5.01	2690	323	2.69	0.06	74	0.62	8.38	10.67
Mounted Mower																						
7'	3063	120	400	15	0.0	0.00	0.03	125	255	2.13	2.16	90	185	1.54	886	106	0.89	0.02	6	0.05	2.49	4.65
9'	3282	120	520	15	0.0	0.00	0.03	125	273	2.28	2.31	90	198	1.65	949	114	0.95	0.02	6	0.05	2.67	4.97
Trailed																						
7'	3685	120	400	15	0.0	0.00	0.03	125	307	2.56	2.59	90	222	1.85	1065	128	1.07	0.02	6	0.05	2.99	5.58
9'	3863	120	520	15	0.0	0.00	0.03	125	322	2.68	2.71	90	233	1.94	1117	134	1.12	0.03	6	0.05	3.13	5.84
Mower Conditioner - Trailed Drum																						
9'	12047	120	500	15	0.0	0.00	0.05	67	535	4.46	4.51	90	726	6.05	3483	418	3.48	0.08	39	0.33	9.94	14.45
10'	14040	120	550	15	0.0	0.00	0.05	67	623	5.19	5.24	90	846	7.05	4059	487	4.06	0.09	44	0.37	11.57	16.81
12'	16233	120	650	15	0.0	0.00	0.05	67	721	6.01	6.06	90	978	8.15	4693	563	4.69	0.11	54	0.45	13.40	19.46
14'	17039	120	760	15	0.0	0.00	0.05	67	756	6.30	6.35	90	1027	8.56	4926	591	4.93	0.11	60	0.50	14.09	20.45

TABLE 6

					VARIABLE COSTS							FIXED COSTS										TOTAL
	ave cash price	annual use		est yrs used	fuel		lube	repairs		total		depreciation			interest			ins	housing		total	COSTS
replacement		hrs	acres		gal /hr	$/ hr	$/ hr	+/-	$/ yr	$/ hr	per hour	+/-	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Self-Propelled Mower Conditioner																						
gasoline	27882	120	760	15	12.0	14.40	2.16	67	1238	10.31	26.87	90	1680	14.00	8061	967	8.06	0.18	50	0.41	22.66	**49.54**
diesel	30639	120	760	15	12.0	13.80	2.07	67	1360	11.33	27.20	90	1846	15.39	8858	1063	8.86	0.20	50	0.41	24.86	**52.07**
Disc Mower																						
4'	3445	120	230	15	0.0	0.00	0.03	67	153	1.27	1.30	90	208	1.73	996	120	1.00	0.02	6	0.05	2.80	**4.10**
5'	3585	120	290	15	0.0	0.00	0.03	67	159	1.33	1.36	90	216	1.80	1036	124	1.04	0.02	6	0.05	2.91	**4.26**
7'	5380	120	400	15	0.0	0.00	0.03	67	239	1.99	2.02	90	324	2.70	1555	187	1.56	0.04	6	0.05	4.34	**6.36**
8'	5685	120	460	15	0.0	0.00	0.03	67	252	2.10	2.13	90	343	2.86	1644	197	1.64	0.04	6	0.05	4.58	**6.72**
Reel Rake Ground Driven																						
9.5'																						
right	4369	120	440	15	0.0	0.00	0.03	87	252	2.10	2.13	90	261	2.19	1263	152	1.26	0.03	21	0.18	3.66	**5.79**
left	3810	120	440	15	0.0	0.00	0.03	87	220	1.83	1.86	90	230	1.91	1101	132	1.10	0.03	21	0.18	3.22	**5.08**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs -/-	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation -/-	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
9.5'		Reel Rake - Hydraulic Driven																				
right	5734	120	440	15	0.0	0.00	0.03	87	331	2.76	2.79	90	346	2.88	1658	199	1.66	0.04	21	0.18	4.75	7.54
left	4488	120	440	15	0.0	0.00	0.03	87	259	2.16	2.19	90	270	2.25	1297	156	1.30	0.03	21	0.18	3.76	5.95
Mounted		Fingerwheel Rake																				
7'	1090	120	370	15	0.0	0.00	0.03	87	63	0.52	0.55	90	66	0.55	315	38	0.32	0.01	8	0.07	0.94	1.49
9'	1802	120	440	15	0.0	0.00	0.03	87	104	0.87	0.90	90	109	0.90	521	63	0.52	0.01	12	0.10	1.54	2.44
18'	2573	120	880	15	0.0	0.00	0.03	87	148	1.24	1.27	90	155	1.29	744	89	0.74	0.02	24	0.20	2.26	3.52
22'	3422	120	1080	15	0.0	0.00	0.03	87	197	1.65	1.68	90	206	1.72	989	119	0.99	0.02	29	0.24	2.98	4.65
Trailed																						
10'	2696	120	550	15	0.0	0.00	0.03	87	156	1.30	1.33	90	162	1.35	779	94	0.78	0.02	24	0.20	2.36	3.68
18'	3636	120	880	15	0.0	0.00	0.03	87	210	1.75	1.78	90	219	1.83	1051	126	1.05	0.02	29	0.24	3.15	4.92

TABLE 6

Implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/*	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/*	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HARVEST MACHINERY																						
Conventional** Combine - Self-Propelled*																						
class 1	61895	120		12	6.0	6.90	1.03	26	1331	11.09	19.03	85	4396	36.63	21738	2609	21.74	0.49	80	0.67	59.53	78.56
class 2	74275	120		12	7.0	8.05	1.21	26	1597	13.31	22.57	85	5275	43.96	26085	3130	26.09	0.59	109	0.90	71.54	94.11
class 3	85181	120		12	8.0	9.20	1.38	26	1832	15.27	25.85	85	6050	50.41	29916	3590	29.92	0.68	117	0.97	81.98	107.83
class 4	97397	120		12	9.0	10.35	1.55	26	2095	17.46	29.36	85	6917	57.64	34206	4105	34.21	0.78	128	1.07	93.70	123.05
class 5	118117	120		12	10.0	11.50	1.72	26	2540	21.17	34.39	85	8389	69.91	41483	4978	41.48	0.94	128	1.07	113.40	147.80
Axial Separation***																						
Engine - hp																						
135-155	87284	120		12	7.0	8.05	1.21	26	1877	15.64	24.90	85	6199	51.66	30654	3678	30.65	0.70	100	0.84	83.85	108.75
170-190	96111	120		12	8.0	9.20	1.38	26	2067	17.22	27.80	85	6826	56.88	33754	4051	33.75	0.77	109	0.90	92.31	120.11
210-220	106759	120		12	9.0	10.35	1.55	26	2296	19.13	31.04	85	7582	63.18	37494	4499	37.49	0.85	117	0.97	102.50	133.54
225-270	118184	120		12	10.0	11.50	1.72	26	2542	21.18	34.41	85	8394	69.95	41506	4981	41.51	0.94	128	1.07	113.47	147.87
Combine - Pull-Type																						
P.T.O Driven****																						
Class 1	35941	120		12	0.0	0.00	0.07	42	1247	10.39	10.46	85	2553	21.27	12622	1515	12.62	0.29	109	0.90	35.09	45.55
Class 2	55844	120		12	0.0	0.00	0.07	42	1938	16.15	16.22	85	3966	33.05	19612	2353	19.61	0.45	117	0.97	54.08	70.30
Rotary	64263	120		12	0.0	0.00	0.07	42	2230	18.58	18.65	85	4564	38.03	22569	2708	22.57	0.51	128	1.07	62.18	80.84

* With platform pick-up, belt pick-up, cab with heater, diesel engine,chopper, monitors;
** See page iv for explanation of size class;
*** With diesel engine, cab with heater and air-conditioning, spreader, monitors;
**** With stone trap, chopper, monitors;

TABLE 6

					VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs			total	depreciation			interest			ins	housing		total	COSTS
implement	ave cash price	annual use hrs	annual use acres	est yrs used	gal /hr	$/ hr	$/ hr	*/*	$/ yr	$/ hr	per hour	*/*	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Combine Pick-up with rubber/plastic teeth																						
Draper																						
8'	2475	120		12	0.0	0.00	0.03	32	67	0.56	0.59	85	176	1.46	869	104	0.87	0.02	8	0.07	2.42	3.01
10'	2688	120		12	0.0	0.00	0.03	32	73	0.60	0.63	85	191	1.59	944	113	0.94	0.02	9	0.07	2.63	3.27
12'	3000	120		12	0.0	0.00	0.03	32	81	0.67	0.70	85	213	1.78	1054	126	1.05	0.02	11	0.09	2.94	3.65
12' (hd)	3250	120		12	0.0	0.00	0.03	32	88	0.73	0.76	85	231	1.92	1141	137	1.14	0.03	11	0.09	3.18	3.94
Drum																						
8'	1600	120		12	0.0	0.00	0.03	32	43	0.36	0.39	85	114	0.95	562	67	0.56	0.01	8	0.07	1.59	1.98
10'	1745	120		12	0.0	0.00	0.03	32	47	0.39	0.42	85	124	1.03	613	74	0.61	0.01	9	0.07	1.73	2.16
12'	1925	120		12	0.0	0.00	0.03	32	52	0.43	0.46	85	137	1.14	676	81	0.68	0.02	11	0.09	1.92	2.38
14'	2230	120		12	0.0	0.00	0.03	32	60	0.50	0.53	85	158	1.32	783	94	0.78	0.02	11	0.09	2.21	2.74
Swather - P.T.O Driven																						
15'	5188	120	530	15	0.0	0.00	0.05	66	229	1.91	1.96	90	310	2.59	1719	206	1.72	0.04	43	0.36	4.71	6.67
18'	6352	120	640	15	0.0	0.00	0.05	66	281	2.34	2.39	90	380	3.17	2104	253	2.10	0.05	51	0.43	5.75	8.14
21'	6961	120	750	15	0.0	0.00	0.06	66	307	2.56	2.62	90	417	3.47	2306	277	2.31	0.05	60	0.50	6.33	8.95
25'	7663	120	860	15	0.0	0.00	0.06	66	338	2.82	2.88	90	459	3.82	2539	305	2.54	0.06	69	0.57	6.99	9.87

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Self-Propelled Swather:																						
with gasoline engine																						
15'	21096	100	670	15	2.5	3.00	0.45	25	350	3.50	6.95	90	1262	12.62	6989	839	8.39	0.19	54	0.54	21.74	**28.69**
18'	24440	100	770	15	2.7	3.24	0.49	25	406	4.06	7.78	90	1462	14.62	8097	972	9.72	0.22	58	0.58	25.14	**32.92**
20	24791	100	910	15	3.0	3.60	0.54	25	411	4.11	8.25	90	1483	14.83	8213	986	9.86	0.22	68	0.68	25.59	**33.85**
20 *	28984	100	910	15	3.0	3.60	0.54	25	481	4.81	8.95	90	1734	17.34	9602	1152	11.52	0.26	68	0.68	29.81	**38.76**
22	25500	100	1000	15	3.5	4.20	0.63	25	423	4.23	9.06	90	1526	15.26	8448	1014	10.14	0.23	68	0.68	26.30	**35.37**
22 *	30300	100	1000	15	3.5	4.20	0.63	25	503	5.03	9.86	90	1813	18.13	10038	1205	12.05	0.27	68	0.68	31.13	**40.99**
24	25898	100	1095	15	3.5	4.20	0.63	25	430	4.30	9.13	90	1550	15.50	8580	1030	10.30	0.23	68	0.68	26.70	**35.83**
with diesel engine																						
18'	29493	100	770	15	3.5	4.02	0.60	25	490	4.90	9.52	90	1765	17.65	9771	1173	11.73	0.27	58	0.58	30.22	**39.74**
20	29970	100	910	15	3.5	4.02	0.60	25	497	4.97	9.60	90	1793	17.93	9929	1191	11.91	0.27	68	0.68	30.80	**40.40**
20 *	30600	100	910	15	3.5	4.02	0.60	25	508	5.08	9.71	90	1831	18.31	10138	1217	12.17	0.28	68	0.68	31.43	**41.14**
22	30400	100	1000	15	3.5	4.02	0.60	25	505	5.05	9.67	90	1819	18.19	10072	1209	12.09	0.27	68	0.68	31.23	**40.90**
22 *	32235	100	1000	15	3.5	4.02	0.60	25	535	5.35	9.98	90	1929	19.29	10679	1282	12.82	0.29	68	0.68	33.07	**43.05**
24	31435	100	1095	15	3.5	4.02	0.60	25	522	5.22	9.85	90	1881	18.81	10414	1250	12.50	0.28	68	0.68	32.27	**42.12**
42'	63255	100	1909	15	3.5	4.02	0.60	25	1050	10.50	15.13	90	3785	37.85	20956	2515	25.15	0.57	68	0.68	64.25	**79.38**

* Denotes Double Swath Attachment

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
IRRIGATION EQUIPMENT																						
Irrigation Systems - Delivered And Set Up:																						
Wheel Move - 1/4 mile - 5" diameter tubing, 40' intervals, self-levelling risers																						
58" wheel	7930	1000	80	15	0.0	0.00		28	149	0.15	0.15	90	475	0.47	2627	315	0.32	0.01		0.00	0.80	**0.95**
76" wheel	8407	1000	80	15	0.0	0.00		28	158	0.16	0.16	90	503	0.50	2785	334	0.33	0.01		0.00	0.84	**1.00**
- 1/2 mile - 5" diameter tubing, 40' intervals, self-levelling risers																						
58" wheel	14404	1000	80	15	0.0	0.00		28	270	0.27	0.27	90	862	0.86	4772	573	0.57	0.01		0.00	1.45	**1.72**
76" wheel	14933	1000	80	15	0.0	0.00		28	280	0.28	0.28	90	894	0.89	4947	594	0.59	0.01		0.00	1.50	**1.78**
Complete Takedown - 1/4 mile - 5" diameter tubing																						
58"	9054	1000	80	15	0.0	0.00		28	170	0.17	0.17	90	542	0.54	3000	360	0.36	0.01		0.00	0.91	**1.08**
76"	9927	1000	80	15	0.0	0.00		28	186	0.19	0.19	90	594	0.59	3289	395	0.39	0.01		0.00	1.00	**1.18**
- 1/2 mile - 5" diameter tubing																						
58"	17196	1000	80	15	0.0	0.00		28	322	0.32	0.32	90	1029	1.03	5697	684	0.68	0.02		0.00	1.73	**2.05**
76"	18623	1000	80	15	0.0	0.00		28	349	0.35	0.35	90	1114	1.11	6170	740	0.74	0.02		0.00	1.87	**2.22**

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Centre Pivot - 1/4 Mile delivered and set up in one circle																						
7-tower	42333	1000	135	15	0.0	0.00	0.04	28	794	0.79	0.83	90	2533	2.53	14025	1683	1.68	0.04		0.00	4.25	5.09
8-tower	46700	1000	155	15	0.0	0.00	0.04	28	876	0.88	0.92	90	2795	2.79	15472	1857	1.86	0.04		0.00	4.69	5.61
Long Line - 2600'-Electric Drive																						
20-tower	107133	1000	500	15	0.0	0.00	0.07	28	2009	2.01	2.08	90	6411	6.41	35493	4259	4.26	0.10		0.00	10.77	12.85
Corner System Attachment																						
	19177	1000	20	15	0.0	0.00	0.02	28	360	0.36	0.38	90	1148	1.15	6353	762	0.76	0.02		0.00	1.93	2.31
Aluminium Main Lines - 1/4 Mile with couplers at 30' and valves at 60'																						
6" dia.	4942	1000		15	0.0	0.00		11	37	0.04	0.04	90	296	0.30	1637	196	0.20	0.00		0.00	0.50	0.53
7" dia.	6200	1000		15	0.0	0.00		11	46	0.05	0.05	90	371	0.37	2054	246	0.25	0.01		0.00	0.62	0.67
8" dia.	7650	1000		15	0.0	0.00		11	57	0.06	0.06	90	458	0.46	2534	304	0.30	0.01		0.00	0.77	0.83
8" dia.	8170	1000		15	0.0	0.00		11	61	0.06	0.06	90	489	0.49	2707	325	0.32	0.01		0.00	0.82	0.88
10" dia.	10053	1000		15	0.0	0.00		11	75	0.08	0.08	90	602	0.60	3331	400	0.40	0.01		0.00	1.01	1.09

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Pumping Unit:																						
Centrifugal Electric @ $0.053/kwh (g.p.m)																						
700-900	5375	1000	160	20	37.0	1.96	0.29	30	81	0.08	2.34	94	254	0.25	1336	160	0.16	0.00		0.00	0.42	2.75
1000-1400	8672	1000	160	20	60.0	3.18	0.48	30	130	0.13	3.79	94	409	0.41	2155	259	0.26	0.01		0.00	0.67	4.46
Turbine Electric @ $0.053/kwh (g.p.m)																						
700-900	7600	1000	160	20	37.0	1.96	0.29	30	114	0.11	2.37	94	359	0.36	1889	227	0.23	0.01		0.00	0.59	2.96
1000-1400	14000	1000	160	20	60.0	3.18	0.48	30	210	0.21	3.87	94	661	0.66	3479	417	0.42	0.01		0.00	1.09	4.96
Natural Gas @ $2.67/mcf (g.p.m)																						
700-900	12257	1000	160	10	0.5	1.34	0.20	8	92	0.09	1.63	81	994	0.99	4754	571	0.57	0.01		0.00	1.58	3.21
1000-1400	16416	1000	160	10	0.8	2.14	0.32	8	123	0.12	2.58	81	1332	1.33	6368	764	0.76	0.02		0.00	2.11	4.69
Propane @ $1.07/gal. (g.p.m)																						
700-900	12257	1000	160	10	4.0	4.28	0.64	8	92	0.09	5.01	81	994	0.99	4754	571	0.57	0.01		0.00	1.58	6.59
1000-1400	16416	1000	160	10	6.0	6.42	0.96	8	123	0.12	7.51	81	1332	1.33	6368	764	0.76	0.02		0.00	2.11	9.62
Diesel @ $1.15/gal. (g.p.m)																						
700-900	16500	1000	160	14	2.5	2.64	0.40	15	173	0.17	3.21	88	1042	1.04	5277	633	0.63	0.01		0.00	1.69	4.90
1000-1400	21113	1000	160	14	3.5	3.64	0.40	15	229	0.23	3.27	88	1379	1.38	6982	838	0.84	0.02		0.00	2.24	5.51

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Pull Type "V"-Ditcher																						
5'	2089	100		15	0.0	0.00		27	38	0.38	0.38	90	126	1.26	604	72	0.72	0.02		0.00	2.00	2.38
6'	2242	100		15	0.0	0.00		27	41	0.41	0.41	90	135	1.35	648	78	0.78	0.02		0.00	2.15	2.55
7'	2634	100		15	0.0	0.00		27	48	0.48	0.48	90	159	1.59	761	91	0.91	0.02		0.00	2.52	3.00
8'	2911	100		15	0.0	0.00		27	53	0.53	0.53	90	175	1.75	842	101	1.01	0.02		0.00	2.79	3.31
11'	5805	100		15	0.0	0.00		27	105	1.05	1.05	90	350	3.50	1678	201	2.01	0.05		0.00	5.56	6.61
3-Point Hitch																						
6'	1539	100		15	0.0	0.00		27	28	0.28	0.28	90	93	0.93	445	53	0.53	0.01		0.00	1.47	1.75
7'	1762	100		15	0.0	0.00		27	32	0.32	0.32	90	106	1.06	509	61	0.61	0.01		0.00	1.69	2.01
Land Leveller - 50' Span																						
10'	4741	100	300	15	0.0	0.00		27	86	0.86	0.86	90	286	2.86	1371	164	1.64	0.04		0.00	4.54	5.40
12'	4988	100	350	15	0.0	0.00		27	90	0.90	0.90	90	301	3.01	1442	173	1.73	0.04		0.00	4.78	5.68
14'	5486	100	400	15	0.0	0.00		27	99	0.99	0.99	90	331	3.31	1586	190	1.90	0.04		0.00	5.25	6.24
16'	5776	100	450	15	0.0	0.00		27	104	1.04	1.04	90	348	3.48	1670	200	2.00	0.05		0.00	5.53	6.57
18'	6080	100	500	15	0.0	0.00		27	110	1.10	1.10	90	366	3.66	1758	211	2.11	0.05		0.00	5.82	6.92

TABLE 6

implement	ave cash price	annual use: hrs	annual use: acres	est yrs used	VARIABLE COSTS: fuel: gal /hr	fuel: $/ hr	lube: $/ hr	repairs: •/•	repairs: $/ yr	repairs: $/ hr	total: per hour	FIXED COSTS: depreciation: •/•	depreciation: $/ yr	depreciation: $/ hr	interest: ave value	interest: $/ yr	interest: $/ hr	ins: $/ hr	housing: $/ yr	housing: $/ hr	total: per hour	TOTAL COSTS: per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Land Scraper - 16' Beam																						
10'	2731	100	300	15	0.0	0.00		27	49	0.49	0.49	90	165	1.65	790	95	0.95	0.02		0.00	2.61	3.11
12'	3078	100	350	15	0.0	0.00		27	56	0.56	0.56	90	185	1.85	890	107	1.07	0.02		0.00	2.95	3.50
14'	4085	100	400	15	0.0	0.00		27	74	0.74	0.74	90	246	2.46	1181	142	1.42	0.03		0.00	3.91	4.65
16'	4384	100	450	15	0.0	0.00		27	79	0.79	0.79	90	264	2.64	1267	152	1.52	0.03		0.00	4.20	4.99
18'	4684	100	500	15	0.0	0.00		27	85	0.85	0.85	90	282	2.82	1354	162	1.62	0.04		0.00	4.48	5.33
Pipe Trailer																						
Standard	1111	100		15	0.0	0.00		32	24	0.24	0.24	90	67	0.67	368	44	0.44	0.01		0.00	1.12	1.36
Heavy Duty	1225	100		15	0.0	0.00		32	26	0.26	0.26	90	74	0.74	406	49	0.49	0.01		0.00	1.24	1.50
Tand. Axle	2696	100		15	0.0	0.00		32	58	0.58	0.58	90	162	1.62	893	107	1.07	0.02		0.00	2.72	3.30

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FEED AND FEED HANDLING EQUIPMENT																						
Grinder/Mixer with bale shredder, hammer mill; over 120 bu. includes power bale feed																						
80 bu	8203	100		15	0.0	0.00	0.04	48	261	2.61	2.65	91	498	4.98	2229	267	2.67	0.06	24	0.24	7.96	10.61
81-100 bu	9624	100		15	0.0	0.00	0.04	48	306	3.06	3.10	91	584	5.84	2615	314	3.14	0.07	29	0.29	9.34	12.44
101-125 bu	13390	100		15	0.0	0.00	0.04	48	426	4.26	4.30	91	813	8.13	3638	437	4.37	0.10	34	0.34	12.93	17.23
150 bu	15786	100		15	0.0	0.00	0.04	48	502	5.02	5.06	91	958	9.58	4289	515	5.15	0.12	46	0.46	15.30	20.36
Mixer Feeder Wagon (Bunk Feeder)																						
100-150 bu	12918	100		15	0.0	0.00	0.05	32	277	2.77	2.82	91	784	7.84	3510	421	4.21	0.10	21	0.21	12.36	15.18
151-200 bu	14594	100		15	0.0	0.00	0.05	32	313	3.13	3.18	91	886	8.86	3965	476	4.76	0.11	29	0.29	14.01	17.19
250-305 bu	23097	100		15	0.0	0.00	0.05	32	496	4.96	5.01	91	1402	14.02	6275	753	7.53	0.17	36	0.36	22.08	27.09
Roller Mill with 10 grooves per inch																						
Stationary																						
8" x 6"	886	175		10	0.0	0.00	0.03	63	56	0.32	0.35	83	74	0.42	306	37	0.21	0.00	4	0.02	0.66	1.01
10" x 6"	2111	175		10	0.0	0.00	0.03	63	133	0.76	0.79	83	176	1.01	730	88	0.50	0.01	4	0.02	1.54	2.33
10" x 10"	2412	175		10	0.0	0.00	0.03	63	152	0.87	0.90	83	201	1.15	834	100	0.57	0.01	4	0.02	1.76	2.66

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Roller Mill with 10 grooves per inch																						
Portable																						
10" x 18"	2484	175		10	0.0	0.00	0.03	63	156	0.89	0.92	83	207	1.19	859	103	0.59	0.01	4	0.02	1.81	2.73
10" x 20"	5814	175		10	0.0	0.00	0.03	63	366	2.09	2.12	83	485	2.77	2010	241	1.38	0.03	4	0.02	4.21	6.33
10" x 36"	13275	175		10	0.0	0.00	0.03	63	836	4.78	4.81	83	1108	6.33	4590	551	3.15	0.07	4	0.02	9.58	14.38
Tub Grinder - P.T.O Driven with single axle																						
Engine - hp																						
60-125	16576	500		10	0.0	0.00	0.04	25	414	0.83	0.87	83	1384	2.77	5732	688	1.38	0.03	35	0.07	4.25	5.11
90-175	24270	500		10	0.0	0.00	0.04	25	607	1.21	1.25	83	2026	4.05	8393	1007	2.01	0.05	39	0.08	6.19	7.44
100-220	34341	500		10	0.0	0.00	0.04	25	859	1.72	1.76	83	2867	5.73	11875	1425	2.85	0.06	39	0.08	8.73	10.48
with tandem axle																						
Engine - hp																						
100-220	35786	500		10	0.0	0.00	0.04	25	895	1.79	1.83	83	2988	5.98	12375	1485	2.97	0.07	39	0.08	9.09	10.92
Silage Loader																						
600 cu. ft.	8100	100		15	0.0	0.00	0.04	27	146	1.46	1.50	90	488	4.88	2342	281	2.81	0.06	13	0.13	7.89	9.39
700 cu. ft.	9000	100		15	0.0	0.00	0.04	27	163	1.63	1.67	90	542	5.42	2602	312	3.12	0.07	13	0.13	8.75	10.41
900 cu. ft.	10800	100		15	0.0	0.00	0.04	27	195	1.95	1.99	90	651	6.51	3122	375	3.75	0.09	13	0.13	10.47	12.46

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MISCELLANEOUS MACHINERY																						
Skid-Steer Loader with gasoline engine																						
Engine - hp																						
16-25	11273	200		10	1.5	1.80	0.27	47	527	2.64	4.71	81	915	4.57	4373	525	2.62	0.06	26	0.13	7.39	12.09
30-35	20906	200		10	2.4	2.88	0.43	47	978	4.89	8.20	81	1696	8.48	8109	973	4.87	0.11	28	0.14	13.60	21.80
36-40	26545	200		10	2.8	3.36	0.50	47	1242	6.21	10.07	81	2154	10.77	10297	1236	6.18	0.14	31	0.16	17.24	27.32
with diesel engine																						
Engine - hp																						
28-35	22013	200		10	1.5	1.72	0.26	47	1030	5.15	7.13	81	1786	8.93	8539	1025	5.12	0.12	26	0.13	14.30	21.43
40-45	26152	200		10	2.0	2.30	0.34	47	1223	6.12	8.76	81	2122	10.61	10144	1217	6.09	0.14	28	0.14	16.97	25.74
50-60	32563	200		10	2.6	2.99	0.45	47	1523	7.62	11.06	81	2642	13.21	12631	1516	7.58	0.17	31	0.16	21.12	32.17
61-85	49475	200		10	3.5	4.02	0.60	47	2315	11.57	16.20	81	4014	20.07	19191	2303	11.51	0.26	33	0.16	32.01	48.21
Anhydrous Ammonia Applicator with 41' tool bar																						
1000 gal.	23000	80		20	0.0	0.00		58	666	8.33	8.33	95	1090	13.63	5396	647	8.09	0.18		0.00	21.90	30.23
1500 gal.	23500	80		20	0.0	0.00		58	681	8.51	8.51	95	1114	13.92	5513	662	8.27	0.19		0.00	22.38	30.89
with 51' tool bar																						
1000 gal.	26000	80		20	0.0	0.00		58	753	9.41	9.41	95	1232	15.40	6100	732	9.15	0.21		0.00	24.76	34.17
1500 gal.	26500	80		20	0.0	0.00		58	768	9.59	9.59	95	1256	15.70	6217	746	9.33	0.21		0.00	25.24	34.83

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Anhydrous Cultivator Kit includes meter, tubing, hydraulic shut-off valve, banding tips																						
24 shanks	2364	80	10		0.0	0.00		22	52	0.65	0.65	82	195	2.43	867	104	1.30	0.03		0.00	3.76	4.41
32 shanks	2752	80	10		0.0	0.00		22	60	0.76	0.76	82	227	2.83	1010	121	1.51	0.03		0.00	4.38	5.14
40 shanks	3140	80	10		0.0	0.00		22	69	0.86	0.86	82	258	3.23	1152	138	1.73	0.04		0.00	5.00	5.86
48 shanks	3528	80	10		0.0	0.00		22	77	0.97	0.97	82	290	3.63	1294	155	1.94	0.04		0.00	5.62	6.58
Pneumatic Grain Mover (Suction Blower)																						
800-1100 bu./hr.																						
3-point	8272	60	15		0.0	0.00	0.03	12	64	1.06	1.09	91	502	8.37	2248	270	4.50	0.10	77	1.28	14.24	15.34
trailer	8932	60	15		0.0	0.00	0.03	12	69	1.15	1.18	91	542	9.04	2427	291	4.85	0.11	77	1.28	15.28	16.46
bu./hr.																						
1000	9120	60	15		0.0	0.00	0.03	12	70	1.17	1.20	91	554	9.23	2478	297	4.96	0.11	77	1.28	15.57	16.78
1200-1500	12281	60	15		0.0	0.00	0.03	12	95	1.58	1.61	91	745	12.42	3337	400	6.67	0.15	77	1.28	20.53	22.14
2000-3000	13388	60	15		0.0	0.00	0.03	12	103	1.72	1.75	91	813	13.54	3638	437	7.28	0.17	77	1.28	22.26	24.01
3001-4000	16625	60	15		0.0	0.00	0.03	12	128	2.14	2.17	91	1009	16.82	4517	542	9.03	0.21	77	1.28	27.34	29.50
Cattle Squeeze less scale																						
lever oper.	1375	60	15		0.0	0.00		14	13	0.21	0.21	90	83	1.38	398	48	0.80	0.02	8	0.14	2.33	2.54

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Cattle Squeeze																						
w/rack	1700	60		15	0.0	0.00		14	16	0.26	0.26	90	102	1.71	491	59	0.98	0.02	8	0.14	2.85	3.11
portable	1665	60		15	0.0	0.00		14	15	0.26	0.26	90	100	1.67	481	58	0.96	0.02	8	0.14	2.79	3.05
Utility Grain Auger for permanent or semi-permanent location, no carriage, with motor mount and truck bracket																						
4" Diameter																						
11'	131	40		15	0.0	0.00		8	1	0.02	0.02	91	8	0.20	36	4	0.11	0.00		0.00	0.31	0.33
16'	159	40		15	0.0	0.00		8	1	0.02	0.02	91	10	0.24	43	5	0.13	0.00		0.00	0.37	0.40
21'	188	40		15	0.0	0.00		8	1	0.03	0.03	91	11	0.29	51	6	0.15	0.00		0.00	0.44	0.47
Extension																						
10'	76	40		15	0.0	0.00		8	0	0.01	0.01	91	5	0.12	21	2	0.06	0.00		0.00	0.18	0.19
5" Diameter																						
11'	185	40		15	0.0	0.00		8	1	0.03	0.03	91	11	0.28	50	6	0.15	0.00		0.00	0.43	0.46
16'	224	40		15	0.0	0.00		8	1	0.03	0.03	91	14	0.34	61	7	0.18	0.00		0.00	0.53	0.56
21'	267	40		15	0.0	0.00		8	1	0.04	0.04	91	16	0.41	73	9	0.22	0.00		0.00	0.63	0.66

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Utility Grain Auger for permanent or semi-permanent location, no carriage, with motor mount and truck bracket																						
5" Diameter																						
Extension																						
10'	107	40	40	15	0.0	0.00		8	1	0.01	0.01	91	6	0.16	29	3	0.09	0.00		0.00	0.25	0.27
6" Diameter																						
11'	169	60		15	0.0	0.00		14	2	0.03	0.03	91	10	0.17	46	6	0.09	0.00		0.00	0.26	0.29
16'	233	60		15	0.0	0.00		14	2	0.04	0.04	91	14	0.24	63	8	0.13	0.00		0.00	0.37	0.40
21'	262	60		15	0.0	0.00		14	2	0.04	0.04	91	16	0.27	71	9	0.14	0.00		0.00	0.41	0.45
Extension																						
10'	127	60		15	0.0	0.00		14	1	0.02	0.02	91	8	0.13	35	4	0.07	0.00		0.00	0.20	0.22
7" Diameter																						
16'	356	60		15	0.0	0.00		14	3	0.06	0.06	91	22	0.36	97	12	0.19	0.00		0.00	0.56	0.61
Extension																						
5'	82	60		15	0.0	0.00		14	1	0.01	0.01	91	5	0.08	22	3	0.04	0.00		0.00	0.13	0.14
10'	123	60		15	0.0	0.00		14	1	0.02	0.02	91	7	0.12	33	4	0.07	0.00		0.00	0.19	0.21

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Utility Grain Auger for permanent or semi-permanent location, no carriage, with motor mount and truck bracket																						
8" Diameter																						
20'	466	60		15	0.0	0.00		14	4	0.07	0.07	91	28	0.47	127	15	0.25	0.01		0.00	0.73	0.80
25'	550	60		15	0.0	0.00		14	5	0.09	0.09	91	33	0.56	149	18	0.30	0.01		0.00	0.86	0.95
35'	655	60		15	0.0	0.00		14	6	0.10	0.10	91	40	0.66	178	21	0.36	0.01		0.00	1.03	1.13
Grain Auger - Engine Driven with carriage and motor mount (excludes motor)																						
6" Diameter																						
26'	1095	60		15	0.0	0.00	0.03	14	10	0.17	0.20	91	66	1.11	298	36	0.60	0.01	24	0.39	2.11	2.31
31'	1204	60		15	0.0	0.00	0.03	14	11	0.19	0.22	91	73	1.22	327	39	0.65	0.01	28	0.46	2.35	2.57
36'	1453	60		15	0.0	0.00	0.03	14	14	0.23	0.26	91	88	1.47	395	47	0.79	0.02	35	0.58	2.86	3.12
41'	1596	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	97	1.61	434	52	0.87	0.02	43	0.72	3.22	3.50
7" Diameter																						
26'	1330	60		15	0.0	0.00	0.03	14	12	0.21	0.24	91	81	1.35	361	43	0.72	0.02	24	0.39	2.48	2.72
31'	1433	60		15	0.0	0.00	0.03	14	13	0.22	0.25	91	87	1.45	389	47	0.78	0.02	28	0.46	2.71	2.96
36'	1563	60		15	0.0	0.00	0.03	14	15	0.24	0.27	91	95	1.58	425	51	0.85	0.02	35	0.58	3.03	3.31
41'	1734	60		15	0.0	0.00	0.03	14	16	0.27	0.30	91	105	1.75	471	57	0.94	0.02	43	0.72	3.44	3.74
46'	1928	60		15	0.0	0.00	0.03	14	18	0.30	0.33	91	117	1.95	524	63	1.05	0.02	48	0.80	3.82	4.15
51'	2131	60		15	0.0	0.00	0.03	14	20	0.33	0.36	91	129	2.16	579	69	1.16	0.03	52	0.87	4.21	4.57

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %/%	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Auger - Engine Driven with carriage and motor mount (excludes motor)																						
8" Diameter																						
26'	1303	60		15	0.0	0.00	0.03	14	12	0.20	0.23	91	79	1.32	354	42	0.71	0.02	24	0.39	2.44	2.67
31'	1394	60		15	0.0	0.00	0.03	14	13	0.22	0.25	91	85	1.41	379	45	0.76	0.02	28	0.46	2.65	2.89
36'	1611	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	98	1.63	438	53	0.88	0.02	35	0.58	3.11	3.39
41'	1849	60		15	0.0	0.00	0.03	14	17	0.29	0.32	91	112	1.87	502	60	1.00	0.02	43	0.72	3.62	3.94
46'	2063	60		15	0.0	0.00	0.03	14	19	0.32	0.35	91	125	2.09	561	67	1.12	0.03	48	0.80	4.04	4.39
51'	2233	60		15	0.0	0.00	0.03	14	21	0.35	0.38	91	136	2.26	607	73	1.21	0.03	52	0.87	4.37	4.75
Grain Auger - Direct P.T.O Drive includes carriage																						
6" Diameter																						
31'	1427	60		15	0.0	0.00	0.03	14	13	0.22	0.25	91	87	1.44	388	47	0.78	0.02	28	0.46	2.70	2.95
36'	1592	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	97	1.61	433	52	0.87	0.02	35	0.58	3.08	3.36
41'	1628	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	99	1.65	442	53	0.88	0.02	43	0.72	3.27	3.55
7" Diameter																						
31'	1490	60		15	0.0	0.00	0.03	14	14	0.23	0.26	91	90	1.51	405	49	0.81	0.02	28	0.46	2.80	3.06
36'	1589	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	96	1.61	432	52	0.86	0.02	35	0.58	3.08	3.35
41'	1725	60		15	0.0	0.00	0.03	14	16	0.27	0.30	91	105	1.74	469	56	0.94	0.02	43	0.72	3.42	3.72
46'	1939	60		15	0.0	0.00	0.03	14	18	0.30	0.33	91	118	1.96	527	63	1.05	0.02	48	0.80	3.84	4.17
51'	2189	60		15	0.0	0.00	0.03	14	20	0.34	0.37	91	133	2.21	595	71	1.19	0.03	52	0.87	4.30	4.67

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Auger - Direct P.T.O Driven includes carriage																						
8" Diameter																						
28'	1628	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	99	1.65	442	53	0.68	0.02	24	0.39	2.95	3.23
31'	1672	60		15	0.0	0.00	0.03	14	16	0.26	0.29	91	101	1.69	454	55	0.91	0.02	28	0.46	3.08	3.37
36'	1812	60		15	0.0	0.00	0.03	14	17	0.28	0.31	91	110	1.83	492	59	0.98	0.02	35	0.58	3.42	3.74
41'	2008	60		15	0.0	0.00	0.03	14	19	0.31	0.34	91	122	2.03	546	65	1.09	0.02	43	0.72	3.87	4.21
46'	2164	60		15	0.0	0.00	0.03	14	20	0.34	0.37	91	131	2.19	588	71	1.18	0.03	48	0.80	4.19	4.56
51'	2301	60		15	0.0	0.00	0.03	14	21	0.36	0.39	91	140	2.33	625	75	1.25	0.03	52	0.87	4.48	4.86
56'	2778	60		15	0.0	0.00	0.03	14	26	0.43	0.46	91	169	2.81	755	91	1.51	0.03	60	0.99	5.35	5.81
61'	3000	60		15	0.0	0.00	0.03	14	28	0.47	0.50	91	182	3.03	815	98	1.63	0.04	66	1.10	5.80	6.30
71'	3348	60		15	0.0	0.00	0.03	14	31	0.52	0.55	91	203	3.39	910	109	1.82	0.04	77	1.28	6.53	7.08
10" Diameter																						
31'	2234	60		15	0.0	0.00	0.03	14	21	0.35	0.38	91	136	2.26	607	73	1.21	0.03	24	0.39	3.90	4.27
41'	2695	60		15	0.0	0.00	0.03	14	25	0.42	0.45	91	164	2.73	732	88	1.46	0.03	43	0.72	4.94	5.39
51'	3345	60		15	0.0	0.00	0.03	14	31	0.52	0.55	91	203	3.38	909	109	1.82	0.04	52	0.87	6.11	6.66
61'	3838	60		15	0.0	0.00	0.03	14	36	0.59	0.62	91	233	3.88	1043	125	2.09	0.05	66	1.10	7.12	7.74
71'	4216	60		15	0.0	0.00	0.03	14	39	0.65	0.68	91	256	4.26	1145	137	2.29	0.05	77	1.28	7.89	8.57

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
6" Diameter		Grain Auger - P.T.O Belt Driven																				
36'	1616	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	98	1.63	439	53	0.88	0.02	35	0.58	3.12	3.40
41'	1720	60		15	0.0	0.00	0.03	14	16	0.27	0.30	91	104	1.74	467	56	0.93	0.02	43	0.72	3.42	3.71
7" Diameter																						
31'	1610	60		15	0.0	0.00	0.03	14	15	0.25	0.28	91	98	1.63	437	52	0.87	0.02	28	0.46	2.99	3.27
36'	1727	60		15	0.0	0.00	0.03	14	16	0.27	0.30	91	105	1.75	469	56	0.94	0.02	35	0.58	3.29	3.59
41'	1801	60		15	0.0	0.00	0.03	14	17	0.28	0.31	91	109	1.82	489	59	0.98	0.02	43	0.72	3.54	3.85
46'	2072	60		15	0.0	0.00	0.03	14	19	0.32	0.35	91	126	2.10	563	68	1.13	0.03	48	0.80	4.05	4.40
51'	2211	60		15	0.0	0.00	0.03	14	21	0.34	0.37	91	134	2.24	601	72	1.20	0.03	52	0.87	4.34	4.71
8" Diameter																						
31'	1550	60		15	0.0	0.00	0.03	14	14	0.24	0.27	91	94	1.57	421	51	0.84	0.02	28	0.46	2.89	3.16
36'	1928	60		15	0.0	0.00	0.03	14	18	0.30	0.33	91	117	1.95	524	63	1.05	0.02	35	0.58	3.61	3.94
41'	2068	60		15	0.0	0.00	0.03	14	19	0.32	0.35	91	126	2.09	562	67	1.12	0.03	43	0.72	3.96	4.31
46'	2263	60		15	0.0	0.00	0.03	14	21	0.35	0.38	91	137	2.29	615	74	1.23	0.03	48	0.80	4.35	4.73
51'	2387	60		15	0.0	0.00	0.03	14	22	0.37	0.40	91	145	2.41	649	78	1.30	0.03	52	0.87	4.61	5.01

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Dozer Blade - Front Mount																						
Light Duty																						
8'	2096	60		15	0.0	0.00	0.03	14	19	0.32	0.35	90	126	2.11	606	73	1.21	0.03	4	0.07	3.41	3.77
9'	2164	60		15	0.0	0.00	0.03	14	20	0.34	0.37	90	130	2.17	626	75	1.25	0.03	4	0.07	3.52	3.89
Medium Duty																						
8'	2631	60		15	0.0	0.00	0.03	14	24	0.41	0.44	90	159	2.64	761	91	1.52	0.03	4	0.07	4.27	4.70
9'	2727	60		15	0.0	0.00	0.03	14	25	0.42	0.45	90	164	2.74	788	95	1.58	0.04	4	0.07	4.42	4.87
10'	2982	60		15	0.0	0.00	0.03	14	28	0.46	0.49	90	180	3.00	862	103	1.72	0.04	6	0.10	4.85	5.35
12'	3203	60		15	0.0	0.00	0.03	14	30	0.50	0.53	90	193	3.22	926	111	1.85	0.04	6	0.10	5.21	5.73
Heavy Duty																						
9'	3929	60		15	0.0	0.00	0.03	14	37	0.61	0.64	90	237	3.95	1136	136	2.27	0.05	4	0.07	6.34	6.98
10'	4471	60		15	0.0	0.00	0.03	14	42	0.69	0.72	90	269	4.49	1293	155	2.59	0.06	6	0.10	7.23	7.95
12'	4981	60		15	0.0	0.00	0.03	14	46	0.77	0.80	90	300	5.00	1440	173	2.88	0.07	6	0.10	8.04	8.85
14'	5835	60		15	0.0	0.00	0.03	14	54	0.90	0.93	90	352	5.86	1687	202	3.37	0.08	7	0.12	9.43	10.37
4-Wheel Drive																						
10'	6200	60		15	0.0	0.00	0.03	14	58	0.96	0.99	90	374	6.23	1792	215	3.58	0.08	6	0.10	9.99	10.98
12'	9206	60		15	0.0	0.00	0.03	14	86	1.43	1.46	90	555	9.25	2661	319	5.32	0.12	6	0.10	14.79	16.24

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/$	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/$	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Dozer Blade - Rear Mount																						
3-Pt. Hitch																						
To 40 hp																						
6'	447	60		15	0.0	0.00	0.03	14	4	0.07	0.10	90	27	0.45	129	16	0.26	0.01	4	0.07	0.78	0.88
7'	495	60		15	0.0	0.00	0.03	14	5	0.08	0.11	90	30	0.50	143	17	0.29	0.01	4	0.07	0.86	0.96
To 60 hp																						
6'	737	60		15	0.0	0.00	0.03	14	7	0.11	0.14	90	44	0.74	213	26	0.43	0.01	4	0.07	1.24	1.39
7'	781	60		15	0.0	0.00	0.03	14	7	0.12	0.15	90	47	0.78	226	27	0.45	0.01	4	0.07	1.31	1.47
8'	822	60		15	0.0	0.00	0.03	14	8	0.13	0.16	90	50	0.83	238	29	0.48	0.01	4	0.07	1.38	1.54
Over 60 hp (Manual Adjust.)																						
7'	1433	60		15	0.0	0.00	0.03	14	13	0.22	0.25	90	86	1.44	414	50	0.83	0.02	4	0.07	2.35	2.61
8'	1493	60		15	0.0	0.00	0.03	14	14	0.23	0.26	90	90	1.50	432	52	0.86	0.02	4	0.07	2.45	2.71
Over 60 hp (Manual Adjust.)																						
9'	3470	60		15	0.0	0.00	0.03	14	32	0.54	0.57	90	209	3.49	1003	120	2.01	0.05	6	0.10	5.63	6.20
10'	3522	60		15	0.0	0.00	0.03	14	33	0.55	0.58	90	212	3.54	1018	122	2.04	0.05	6	0.10	5.72	6.29

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %/	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Air-Cooled Engine with manual start																						
Engine - hp																						
2	230	100		10	0.5	0.60	0.09	16	4	0.04	0.73	82	19	0.19	84	10	0.10	0.00		0.00	0.29	1.02
3	244	100		10	0.5	0.60	0.09	16	4	0.04	0.73	82	20	0.20	90	11	0.11	0.00		0.00	0.31	1.04
5	298	100		10	0.6	0.72	0.11	16	5	0.05	0.88	82	25	0.25	109	13	0.13	0.00		0.00	0.38	1.26
7	476	100		10	0.6	0.72	0.11	16	8	0.08	0.90	82	39	0.39	175	21	0.21	0.00		0.00	0.61	1.51
8	492	100		10	0.7	0.84	0.13	16	8	0.08	1.04	82	40	0.40	181	22	0.22	0.00		0.00	0.63	1.67
10	851	100		10	1.2	1.44	0.22	16	14	0.14	1.79	82	70	0.70	312	37	0.37	0.01		0.00	1.08	2.88
16	1134	100		10	1.8	2.16	0.32	16	18	0.18	2.67	82	93	0.93	416	50	0.50	0.01		0.00	1.44	4.11
with electric start																						
Engine - hp																						
10	1003	100		10	1.1	1.32	0.20	16	16	0.16	1.68	82	83	0.83	368	44	0.44	0.01		0.00	1.28	2.96
14	1065	100		10	1.6	1.92	0.29	16	17	0.17	2.38	82	88	0.88	391	47	0.47	0.01		0.00	1.36	3.73
16	1151	100		10	1.8	2.16	0.32	16	18	0.18	2.67	82	95	0.95	422	51	0.51	0.01		0.00	1.47	4.13
18	1318	100		10	2.0	2.40	0.36	16	21	0.21	2.97	82	108	1.08	484	58	0.58	0.01		0.00	1.68	4.65
20	1867	100		10	2.2	2.64	0.40	16	30	0.30	3.33	82	154	1.54	685	82	0.82	0.02		0.00	2.38	5.71

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Standby Electric Generator - P.T.O Driven																						
18 kwh	2665	20		15	0.0	0.00	0.03	3	6	0.30	0.33	90	161	8.03	770	92	4.62	0.11		0.00	12.76	13.09
27 kwh	3631	20		15	0.0	0.00	0.03	3	8	0.40	0.43	90	219	10.94	1050	126	6.30	0.14		0.00	17.38	17.82
- Engine Driven (Gasoline)																						
2250 watt	768	100		10	0.6	0.72	0.11	16	12	0.12	0.95	82	63	0.63	222	27	0.27	0.01		0.00	0.90	1.86
3250 watt	1119	100		10	0.7	0.84	0.13	16	18	0.18	1.15	82	92	0.92	324	39	0.39	0.01		0.00	1.32	2.46
3750 watt	1425	100		10	0.7	0.84	0.13	16	23	0.23	1.19	82	117	1.17	412	49	0.49	0.01		0.00	1.68	2.87
5000 watt	1564	100		10	1.1	1.32	0.20	16	25	0.25	1.77	82	129	1.29	452	54	0.54	0.01		0.00	1.84	3.61
6500 watt	2339	100		10	1.8	2.16	0.32	16	37	0.37	2.86	82	193	1.93	676	81	0.81	0.02		0.00	2.76	5.61
Hydraulic Loader with material bucket																						
lbs.																						
≤ 1499	2794	160		15	0.0	0.00	0.03	50	93	0.58	0.61	90	168	1.05	808	97	0.61	0.01	17	0.11	1.78	2.39
1500-1999	3094	160		15	0.0	0.00	0.03	50	103	0.64	0.67	90	186	1.17	894	107	0.67	0.02	17	0.11	1.96	2.63
2000-2999	3899	160		15	0.0	0.00	0.03	50	130	0.81	0.84	90	235	1.47	1127	135	0.85	0.02	17	0.11	2.44	3.28
3000-3999	4013	160		15	0.0	0.00	0.03	50	134	0.83	0.86	90	242	1.51	1160	139	0.87	0.02	18	0.11	2.51	3.38
4000-4999	4471	160		15	0.0	0.00	0.03	50	149	0.93	0.96	90	269	1.68	1293	155	0.97	0.02	18	0.11	2.79	3.75
≥ 5000	6241	160		15	0.0	0.00	0.03	50	208	1.30	1.33	90	376	2.35	1804	217	1.35	0.03	18	0.11	3.85	5.18

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs */*	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation */*	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Dryer - Propane with seed cleaning kit and 30' propane hose																						
Batch - P.T.O																						
275 bu.	14239	100		15	13.0	13.91	2.09	27	257	2.57	18.57	90	858	8.58	4116	494	4.94	0.11	33	0.33	13.96	32.53
350 bu.	17002	100		15	18.0	19.26	2.89	27	307	3.07	25.22	90	1025	10.25	4915	590	5.90	0.13	33	0.33	16.61	41.83
500 bu.	24260	100		15	20.0	21.40	3.21	27	438	4.38	28.99	90	1462	14.62	7014	842	8.42	0.19	34	0.34	23.57	52.56
Continuous - P.T.O*																						
600 bu.	15353	100		15	24.0	25.68	3.85	27	277	2.77	32.31	90	925	9.25	4439	533	5.33	0.12	34	0.34	15.04	47.35
650 bu.	25767	100		15	25.0	26.75	4.01	27	466	4.66	35.42	90	1553	15.53	7449	894	8.94	0.20	34	0.34	25.01	60.43
850 bu.	35491	100		15	30.0	32.10	4.82	27	641	6.41	43.33	90	2139	21.39	10260	1231	12.31	0.28	35	0.35	34.33	77.66
1500 bu.	50719	100		15	39.0	41.73	6.26	27	916	9.16	57.15	90	3057	30.57	14663	1760	17.60	0.40	39	0.39	48.95	106.11

* Cleaning Capacity Using Wheat:

600 bu. ~ 300 bu./hr.
650 bu. ~ 370 bu./hr.
850 bu. ~ 470 bu./hr.
1500 bu. ~ 890 bu./hr.

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/•	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/•	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Motorcycle - On/Off Road with headlight, taillight, turn signals, speedometer, odometer, horn, rearview mirror																						
Engine "cc"																						
50-60	604	100		10	0.5	0.60	0.09	16	10	0.10	0.79	82	50	0.50	222	27	0.27	0.01	4	0.04	0.81	1.60
70-90	803	100		10	0.7	0.84	0.13	16	13	0.13	1.09	82	66	0.66	295	35	0.35	0.01	4	0.04	1.06	2.16
91-109	967	100		10	0.9	1.08	0.16	16	15	0.15	1.40	82	80	0.80	355	43	0.43	0.01	4	0.04	1.27	2.67
110-125	1598	100		10	1.1	1.32	0.20	16	26	0.26	1.77	82	132	1.32	586	70	0.70	0.02	4	0.04	2.08	3.85
126-200	1691	100		10	1.3	1.56	0.23	16	27	0.27	2.06	82	139	1.39	620	74	0.74	0.02	4	0.04	2.19	4.26
201-250	2008	100		10	1.7	2.04	0.31	16	32	0.32	2.67	82	165	1.65	737	88	0.88	0.02	4	0.04	2.60	5.27
251-500	2433	100		10	2.0	2.40	0.36	16	39	0.39	3.15	82	200	2.00	893	107	1.07	0.02	5	0.05	3.15	6.30
600	2802	100		10	2.4	2.88	0.43	16	45	0.45	3.76	82	231	2.31	1028	123	1.23	0.03	5	0.05	3.62	7.38
3-Wheel Bike - Off Road with headlight, taillight, turn signals, speedometer, odometer, horn, rearview mirror																						
Engine "cc"																						
110-125	1614	100		10	1.1	1.32	0.20	16	26	0.26	1.78	82	133	1.33	592	71	0.71	0.02	7	0.07	2.12	3.90
175-200	2439	100		10	1.3	1.56	0.23	16	39	0.39	2.18	82	201	2.01	895	107	1.07	0.02	7	0.07	3.17	5.36
250	2780	100		10	1.7	2.04	0.31	16	44	0.44	2.79	82	229	2.29	1020	122	1.22	0.03	7	0.07	3.61	6.40

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
4-Wheel Bike - off Road with headlight, taillight, speedometer, odometer, rearview mirror																						
Engine "cc"																						
60	844	100		10	0.7	0.84	0.13	16	14	0.14	1.10	82	69	0.69	310	37	0.37	0.01	9	0.09	1.16	2.27
70-80	1316	100		10	0.8	0.96	0.14	16	21	0.21	1.31	82	108	1.08	483	58	0.58	0.01	9	0.09	1.77	3.08
125-200	2648	100		10	1.3	1.56	0.23	16	42	0.42	2.22	82	218	2.18	972	117	1.17	0.03	9	0.09	3.46	5.68
225-250	3424	100		10	1.7	2.04	0.31	16	55	0.55	2.89	82	282	2.82	1256	151	1.51	0.03	9	0.09	4.45	7.34
350	4493	100		10	2.0	2.40	0.36	16	72	0.72	3.48	82	370	3.70	1648	198	1.98	0.05	9	0.09	5.81	9.29
Snowmobile with headlight, taillight, speedometer, odometer, rearview mirror																						
Engine "cc"																						
250-300	2194	100		10	2.0	2.40	0.36	16	35	0.35	3.11	82	181	1.81	805	97	0.97	0.02	9	0.09	2.88	5.99
301-400	3195	100		10	2.2	2.64	0.40	16	51	0.51	3.55	82	263	2.63	1172	141	1.41	0.03	9	0.09	4.16	7.71
401-500	4559	100		10	2.7	3.24	0.49	16	73	0.73	4.46	82	375	3.75	1673	201	2.01	0.05	9	0.09	5.90	10.35
501-550	4856	100		10	2.8	3.36	0.50	16	78	0.78	4.64	82	400	4.00	1782	214	2.14	0.05	9	0.09	6.27	10.91
All Terrain Vehicle with windshield, lights and hitch																						
6-wheel	4672	100		10	0.5	0.60	0.09	16	75	0.75	1.44	82	385	3.85	1714	206	2.06	0.05	16	0.16	6.11	7.55
8-wheel	5455	100		10	0.5	0.60	0.09	16	87	0.87	1.56	82	449	4.49	2001	240	2.40	0.05	16	0.16	7.11	8.67

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Engine - hp		Electric Motor - Single Phase with capacitor start and auto. overload																				
0.33	141	140		15	0.0	0.00		42	4	0.03	0.03	90	8	0.06	41	5	0.03	0.00		0.00	0.10	0.12
0.50	161	140		15	0.0	0.00		42	5	0.03	0.03	90	10	0.07	47	6	0.04	0.00		0.00	0.11	0.14
0.75	196	140		15	0.0	0.00		42	5	0.04	0.04	90	12	0.08	57	7	0.05	0.00		0.00	0.13	0.17
1.00	211	140		15	0.0	0.00		42	6	0.04	0.04	90	13	0.09	61	7	0.05	0.00		0.00	0.14	0.19
1.50	269	140		15	0.0	0.00		42	8	0.05	0.05	90	16	0.12	78	9	0.07	0.00		0.00	0.18	0.24
2.00	386	140		15	0.0	0.00		42	11	0.08	0.08	90	23	0.17	112	13	0.10	0.00		0.00	0.26	0.34
3.00	531	140		15	0.0	0.00		42	15	0.11	0.11	90	32	0.23	154	18	0.13	0.00		0.00	0.36	0.47
5.00	655	140		15	0.0	0.00		42	18	0.13	0.13	90	39	0.28	189	23	0.16	0.00		0.00	0.45	0.58
7.50	974	140		15	0.0	0.00		42	27	0.19	0.19	90	59	0.42	282	34	0.24	0.01		0.00	0.67	0.86
10.00	1177	140		15	0.0	0.00		42	33	0.24	0.24	90	71	0.51	340	41	0.29	0.01		0.00	0.80	1.04
		Packers - 1 1/2"																				
4'	357	60	305	10	0.0	0.00	0.03	8	3	0.05	0.08	82	29	0.49	131	16	0.26	0.01	2	0.04	0.80	0.88
5'	413	60	345	10	0.0	0.00	0.03	8	3	0.06	0.09	82	34	0.57	152	18	0.30	0.01	4	0.07	0.94	1.03
6'	491	60	490	10	0.0	0.00	0.03	8	4	0.07	0.10	82	40	0.67	180	22	0.36	0.01	6	0.10	1.14	1.23
		Packers - 1 3/4"																				
4'	426	60	305	10	0.0	0.00	0.03	8	4	0.06	0.09	82	35	0.58	156	19	0.31	0.01	2	0.04	0.94	1.03
5'	507	60	345	10	0.0	0.00	0.03	8	4	0.07	0.10	82	42	0.70	186	22	0.37	0.01	4	0.07	1.14	1.24
6'	582	60	490	10	0.0	0.00	0.03	8	5	0.08	0.11	82	48	0.80	214	26	0.43	0.01	6	0.10	1.33	1.44

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Packer Drawbar includes harrows and packers																						
30-35'	8817	60	2360	10	0.0	0.00	0.05	8	73	1.21	1.26	82	726	12.10	3235	388	6.47	0.15	29	0.49	19.20	**20.46**
40-49'	10970	60	4610	10	0.0	0.00	0.05	8	90	1.51	1.56	82	903	15.05	4025	483	8.05	0.18	35	0.58	23.87	**25.42**
50-56'	12266	60	6890	10	0.0	0.00	0.05	8	101	1.68	1.73	82	1010	16.83	4500	540	9.00	0.20	39	0.65	26.69	**28.42**
58-60'	13471	60	8190	10	0.0	0.00	0.05	8	111	1.85	1.90	82	1109	18.48	4943	593	9.89	0.22	43	0.72	29.31	**31.21**
70-80'	15273	60	10795	10	0.0	0.00	0.05	8	126	2.10	2.15	82	1257	20.95	5604	672	11.21	0.25	54	0.90	33.31	**35.46**
Post Hole Digger																						
3-Pt. Hitch																						
4"	2278	60		15	0.0	0.00	0.03	14	21	0.35	0.38	90	137	2.29	659	79	1.32	0.03	2	0.03	3.66	**4.05**
6"	2301	60		15	0.0	0.00	0.03	14	21	0.36	0.39	90	139	2.31	665	80	1.33	0.03	2	0.03	3.70	**4.09**
9"	2309	60		15	0.0	0.00	0.03	14	21	0.36	0.39	90	139	2.32	668	80	1.34	0.03	2	0.03	3.71	**4.10**
10"	2327	60		15	0.0	0.00	0.03	14	22	0.36	0.39	90	140	2.34	673	81	1.35	0.03	2	0.04	3.75	**4.14**
12"	2347	60		15	0.0	0.00	0.03	14	22	0.36	0.39	90	141	2.36	679	81	1.36	0.03	2	0.04	3.79	**4.18**
Hydraulic																						
9"	3722	60		15	0.0	0.00	0.03	14	35	0.58	0.61	90	224	3.74	1076	129	2.15	0.05	2	0.03	5.97	**6.57**
10"	3740	60		15	0.0	0.00	0.03	14	35	0.58	0.61	90	225	3.76	1081	130	2.16	0.05	2	0.04	6.01	**6.62**
12"	3756	60		15	0.0	0.00	0.03	14	35	0.58	0.61	90	226	3.77	1086	130	2.17	0.05	2	0.04	6.03	**6.65**

TABLE 6

		annual use			VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs			total	depreciation			interest			ins	housing		total	COSTS
implement	ave cash price	hrs	acres	est yrs used	gal /hr	$/ hr	$/ hr	%/%	$/ yr	$/ hr	per hour	%/%	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Post Driver																						
Tractor Mount																						
	1896	60		15	0.0	0.00	0.03	14	18	0.29	0.32	90	114	1.90	548	66	1.10	0.02	2	0.03	3.05	3.38
Trailer Mount																						
	2388	60		15	0.0	0.00	0.03	14	22	0.37	0.40	90	144	2.40	690	83	1.38	0.03	2	0.03	3.84	4.24
Tractor With Hydraulic Level																						
	2295	60		15	0.0	0.00	0.03	14	21	0.36	0.39	90	138	2.31	663	80	1.33	0.03	2	0.03	3.69	4.08
Rock Picker																						
Ground Driven																						
5'	5978	100		15	0.0	0.00	0.03	36	142	1.42	1.45	90	360	3.60	1728	207	2.07	0.05	39	0.39	6.12	7.56
7'	9120	100		15	0.0	0.00	0.03	36	216	2.16	2.19	90	550	5.50	2637	316	3.16	0.07	39	0.39	9.12	11.32
Hydraulic Driven																						
5'	6909	100		15	0.0	0.00	0.03	36	164	1.64	1.67	90	416	4.16	1997	240	2.40	0.05	39	0.39	7.01	8.68
High Dump																						
5'	8863	100		15	0.0	0.00	0.03	36	210	2.10	2.13	90	534	5.34	2562	307	3.07	0.07	39	0.39	8.88	11.01

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/%	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/%	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Rock Windrower																						
12'	7290	100		15	0.0	0.00	0.03	36	173	1.73	1.76	90	439	4.39	2108	253	2.53	0.06	24	0.24	7.22	8.98
14'	8050	100		15	0.0	0.00	0.03	36	191	1.91	1.94	90	485	4.85	2327	279	2.79	0.06	27	0.27	7.98	9.92
20'	8980	100		15	0.0	0.00	0.03	36	213	2.13	2.16	90	541	5.41	2596	312	3.12	0.07	24	0.24	8.84	11.00
28'	10504	100		15	0.0	0.00	0.03	36	249	2.49	2.52	90	633	6.33	3037	364	3.64	0.08	29	0.29	10.34	12.86
Rotary Cutter - 3-Pt. Hitch																						
Light Duty																						
5'	1298	60		15	0.0	0.00	0.03	38	33	0.55	0.58	90	78	1.30	375	45	0.75	0.02	24	0.41	2.48	3.06
6'	1869	60		15	0.0	0.00	0.03	38	48	0.80	0.83	90	113	1.88	540	65	1.08	0.02	29	0.48	3.46	4.29
Heavy Duty																						
5'	1901	60		15	0.0	0.00	0.03	38	49	0.81	0.84	90	115	1.91	550	66	1.10	0.03	24	0.41	3.44	4.28
6'	2457	60		15	0.0	0.00	0.03	38	63	1.05	1.08	90	148	2.47	710	85	1.42	0.03	29	0.48	4.40	5.48
7'	3655	60		15	0.0	0.00	0.03	38	94	1.56	1.59	90	220	3.67	1057	127	2.11	0.05	33	0.54	6.38	7.97
- Pull Type																						
5'	2377	60		15	0.0	0.00	0.03	38	61	1.02	1.05	90	143	2.39	687	82	1.37	0.03	24	0.41	4.20	5.25
6'	2946	60		15	0.0	0.00	0.03	38	76	1.26	1.29	90	178	2.96	852	102	1.70	0.04	29	0.48	5.18	6.47

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/•	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/•	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Heavy Duty		**Rotary Cutter - Pull Type**																				
7'	3412	60		15	0.0	0.00	0.03	38	87	1.46	1.49	90	206	3.43	986	118	1.97	0.04	33	0.54	5.99	7.48
10'	5605	60		15	0.0	0.00	0.03	38	144	2.39	2.42	90	338	5.63	1620	194	3.24	0.07	35	0.58	9.53	11.95
15'	9475	60		15	0.0	0.00	0.03	38	243	4.05	4.08	90	571	9.52	2739	329	5.48	0.12	38	0.64	15.76	19.84
Rear Mount		**Snowblower**																				
5'	1437	80		15	0.0	0.00	0.03	52	50	0.62	0.65	90	87	1.08	415	50	0.62	0.01	7	0.08	1.80	2.45
6'	1913	80		15	0.0	0.00	0.03	52	66	0.83	0.86	90	115	1.44	553	66	0.83	0.02	9	0.11	2.40	3.26
7'	2596	80		15	0.0	0.00	0.03	52	90	1.12	1.15	90	156	1.96	751	90	1.13	0.03	11	0.14	3.25	4.40
8'	3516	80		15	0.0	0.00	0.03	52	122	1.52	1.55	90	212	2.65	1016	122	1.52	0.03	16	0.19	4.40	5.95
9'	5243	80		15	0.0	0.00	0.03	52	181	2.26	2.29	90	316	3.95	1516	182	2.27	0.05	20	0.24	6.52	8.81
Front Mount																						
6'	3703	80		15	0.0	0.00	0.03	52	128	1.60	1.63	90	223	2.79	1071	128	1.61	0.04	9	0.11	4.54	6.17
7'	6351	80		15	0.0	0.00	0.03	52	219	2.74	2.77	90	383	4.78	1836	220	2.75	0.06	11	0.14	7.74	10.52
8'	7688	80		15	0.0	0.00	0.03	52	266	3.32	3.35	90	463	5.79	2223	267	3.33	0.08	16	0.19	9.40	12.75
9'	8581	80		15	0.0	0.00	0.03	52	297	3.71	3.74	90	517	6.46	2481	298	3.72	0.08	20	0.24	10.51	14.25

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Field Sprayer trailed with polythene tank																						
300 gal.																						
33'	3933	60	660	15	0.0	0.00	0.03	36	94	1.56	1.59	90	237	3.95	1137	136	2.27	0.05	30	0.50	6.78	8.37
40'	4210	60	800	15	0.0	0.00	0.03	36	100	1.67	1.70	90	254	4.23	1217	146	2.43	0.06	35	0.58	7.30	9.01
50'	4645	60	900	15	0.0	0.00	0.03	36	111	1.85	1.88	90	280	4.67	1343	161	2.69	0.06	38	0.63	8.04	9.91
500 gal.																						
40'	6070	60	800	15	0.0	0.00	0.03	36	145	2.41	2.44	90	366	6.10	1755	211	3.51	0.08	35	0.58	10.27	12.71
50'	6503	60	900	15	0.0	0.00	0.03	36	155	2.58	2.61	90	392	6.53	1880	226	3.76	0.09	38	0.63	11.00	13.62
68'	6705	60	1224	15	0.0	0.00	0.03	36	160	2.66	2.69	90	404	6.73	1938	233	3.88	0.09	42	0.69	11.39	14.09
800 gal.																						
40'	8110	60	800	15	0.0	0.00	0.03	36	193	3.22	3.25	90	489	8.15	2345	281	4.69	0.11	35	0.58	13.53	16.78
50'	8544	60	900	15	0.0	0.00	0.03	36	204	3.39	3.42	90	515	8.58	2470	296	4.94	0.11	38	0.63	14.26	17.68
80'	9347	60	1600	15	0.0	0.00	0.03	36	223	3.71	3.74	90	563	9.39	2702	324	5.40	0.12	48	0.80	15.72	19.46

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %/%	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1000 gal.		Field Sprayer trailed with polythene tank																				
50'	9303	60	900	15	0.0	0.00	0.03	36	222	3.70	3.73	90	561	9.34	2689	323	5.38	0.12	36	0.60	15.44	19.17
72'	9520	60	1270	15	0.0	0.00	0.03	36	227	3.78	3.81	90	574	9.56	2752	330	5.50	0.13	43	0.72	15.91	19.72
85'	10434	60	1310	15	0.0	0.00	0.03	36	249	4.14	4.17	90	629	10.48	3016	362	6.03	0.14	48	0.80	17.45	21.63
95'	10747	60	1425	15	0.0	0.00	0.03	36	256	4.27	4.30	90	648	10.79	3107	373	6.21	0.14	51	0.86	18.01	22.31
66'		Field Sprayer - Windproof																				
500 gal.	8114	60	1225	15	0.0	0.00	0.03	36	193	3.22	3.25	90	489	8.15	2346	281	4.69	0.11	42	0.69	13.64	16.90
800 gal.	9194	60	1225	15	0.0	0.00	0.03	36	219	3.65	3.68	90	554	9.23	2658	319	5.32	0.12	42	0.69	15.37	19.05
25 gal.		3-Pt. Hitch Mounted Sprayer																				
6'	634	60		15	0.0	0.00	0.03	36	15	0.25	0.28	90	38	0.64	183	22	0.37	0.01	7	0.11	1.12	1.40
14'	761	60		15	0.0	0.00	0.03	36	18	0.30	0.33	90	46	0.76	220	26	0.44	0.01	13	0.22	1.43	1.76
53 gal.																						
6'	814	60	60	15	0.0	0.00	0.03	36	19	0.32	0.35	90	49	0.82	235	28	0.47	0.01	7	0.11	1.41	1.76
14'	938	60	60	15	0.0	0.00	0.03	36	22	0.37	0.40	90	57	0.94	271	33	0.54	0.01	13	0.22	1.71	2.12

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs %	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation %	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
80 gal.		3-Pt. Hitch Mounted Sprayer																				
6'	898	60		15	0.0	0.00	0.03	36	21	0.36	0.39	90	54	0.90	260	31	0.52	0.01	7	0.11	1.54	1.93
14'	1021	60		15	0.0	0.00	0.03	36	24	0.41	0.44	90	62	1.03	295	35	0.59	0.01	13	0.22	1.85	2.28
21'	1200	60		15	0.0	0.00	0.03	36	29	0.48	0.51	90	72	1.21	347	42	0.69	0.02	17	0.29	2.20	2.71
105 gal.																						
21'	1532	60		15	0.0	0.00	0.03	36	37	0.61	0.64	90	92	1.54	443	53	0.89	0.02	17	0.29	2.73	3.37
35'	1710	60		15	0.0	0.00	0.03	36	41	0.68	0.71	90	103	1.72	494	59	0.99	0.02	24	0.39	3.12	3.83
170 gal.																						
21'	1747	60		15	0.0	0.00	0.03	36	42	0.69	0.72	90	105	1.75	505	61	1.01	0.02	17	0.29	3.07	3.80
35'	1946	60		15	0.0	0.00	0.03	36	46	0.77	0.80	90	117	1.95	563	68	1.13	0.03	24	0.39	3.50	4.30
320 gal.																						
21'	2137	60		15	0.0	0.00	0.03	36	51	0.85	0.88	90	129	2.15	618	74	1.24	0.03	17	0.29	3.70	4.57
35'	2314	60		15	0.0	0.00	0.03	36	55	0.92	0.95	90	139	2.32	669	80	1.34	0.03	24	0.39	4.09	5.04
42'	2484	60		15	0.0	0.00	0.03	36	59	0.99	1.02	90	150	2.50	718	86	1.44	0.03	28	0.46	4.43	5.44

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
300 gal. Truck Mounted Sprayer																						
35'	3347	60		15	0.0	0.00	0.03	36	80	1.33	1.36	90	202	3.36	968	116	1.94	0.04	22	0.37	5.71	7.07
40'	4123	60		15	0.0	0.00	0.03	36	98	1.64	1.67	90	248	4.14	1192	143	2.38	0.05	28	0.46	7.04	8.71
50'	4640	60		15	0.0	0.00	0.03	36	111	1.84	1.87	90	280	4.66	1341	161	2.68	0.06	35	0.58	7.99	9.86
500 gal.																						
35'	4132	60		15	0.0	0.00	0.03	36	98	1.64	1.67	90	249	4.15	1195	143	2.39	0.05	22	0.37	6.96	8.63
40'	4409	60		15	0.0	0.00	0.03	36	105	1.75	1.78	90	266	4.43	1275	153	2.55	0.06	28	0.46	7.50	9.28
50'	4843	60		15	0.0	0.00	0.03	36	115	1.92	1.95	90	292	4.86	1400	168	2.80	0.06	35	0.58	8.31	10.27
Self-Propelled Field Sprayer																						
51'	20746	60	950	15	1.8	2.16	0.32	36	494	8.24	10.73	90	1250	20.84	5998	720	12.00	0.27	51	0.84	33.95	44.67
Fertilizer Spreader with 40'-50' spread width																						
1-2 ton	3842	60	820	15	0.0	0.00	0.04	83	212	3.54	3.58	90	232	3.86	1111	133	2.22	0.05	10	0.16	6.29	9.87
4-5 ton	5546	60	820	15	0.0	0.00	0.04	83	306	5.10	5.14	90	334	5.57	1603	192	3.21	0.07	23	0.38	9.23	14.38
6-8 ton	7300	60	820	15	0.0	0.00	0.04	83	403	6.72	6.76	90	440	7.33	2110	253	4.22	0.10	34	0.57	12.22	18.98

TABLE 6

					VARIABLE COSTS							FIXED COSTS										TOTAL
					fuel		lube	repairs		total		depreciation			interest			ins	housing		total	COSTS
implement	ave cash price	annual use hrs	annual use acres	est yrs used	gal /hr	$/ hr	$/ hr	*/*	$/ yr	$/ hr	per hour	*/*	$/ yr	$/ hr	ave value	$/ yr	$/ hr	$/ hr	$/ yr	$/ hr	per hour	per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Manure Spreader																						
Beater Type*																						
100-150 bu	4684	140		15	0.0	0.00	0.04	42	131	0.94	0.98	90	282	2.02	1354	162	1.16	0.03	35	0.25	3.45	4.43
160-200 bu	5529	140		15	0.0	0.00	0.04	42	155	1.11	1.15	90	333	2.38	1598	192	1.37	0.03	54	0.38	4.17	5.31
210-250 bu	7103	140		15	0.0	0.00	0.04	42	199	1.42	1.46	90	428	3.06	2053	246	1.76	0.04	72	0.51	5.37	6.83
260-295 bu	8670	140		15	0.0	0.00	0.04	42	243	1.73	1.77	90	523	3.73	2506	301	2.15	0.05	81	0.58	6.51	8.28
300-390 bu	10537	140		15	0.0	0.00	0.04	42	295	2.11	2.15	90	635	4.54	3046	366	2.61	0.06	89	0.64	7.84	9.99
400-490 bu	12841	140		15	0.0	0.00	0.04	42	359	2.57	2.61	90	774	5.53	3712	445	3.18	0.07	97	0.69	9.48	12.08
500 bu	21358	140		15	0.0	0.00	0.04	42	598	4.27	4.31	90	1287	9.19	6175	741	5.29	0.12	109	0.78	15.38	19.69
Hydraulic Push																						
225 bu.	7216	140		15	0.0	0.00	0.04	42	202	1.44	1.48	90	435	3.11	2086	250	1.79	0.04	44	0.31	5.25	6.73
Liquid Manure Spreader																						
Flail Type																						
845 gal.	6703	140		15	0.0	0.00	0.04	42	188	1.34	1.38	90	404	2.89	1938	233	1.66	0.04		0.00	4.58	5.96
1064 gal.	9116	140		15	0.0	0.00	0.04	42	255	1.82	1.86	90	549	3.92	2635	316	2.26	0.05		0.00	6.23	8.10
2250 gal.	11627	140		15	0.0	0.00	0.04	42	325	2.32	2.36	90	701	5.01	3361	403	2.88	0.07		0.00	7.95	10.32

* Over 250 bu. equipped with tandem wheels

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Flail Type																						
Liquid Manure Spreader																						
3250 gal.	13287	140		15	0.0	0.00	0.04	42	372	2.66	2.70	90	801	5.72	3841	461	3.29	0.07		0.00	9.09	11.78
3750 gal.	17908	140		15	0.0	0.00	0.04	42	501	3.58	3.62	90	1079	7.71	5177	621	4.44	0.10		0.00	12.25	15.87
4500 gal.	24444	140		15	0.0	0.00	0.04	42	684	4.89	4.93	90	1473	10.52	7067	848	6.06	0.14		0.00	16.72	21.64
6500 gal.	54217	140		15	0.0	0.00	0.04	42	1517	10.84	10.88	90	3267	23.34	15674	1881	13.43	0.31		0.00	37.08	47.96
Vacuum With Knife Injection																						
1500 gal.	11733	140		15	0.0	0.00	0.04	42	328	2.35	2.39	90	707	5.05	3392	407	2.91	0.07		0.00	8.02	10.41
2250 gal.	13794	140		15	0.0	0.00	0.04	42	386	2.76	2.80	90	831	5.94	3988	479	3.42	0.08		0.00	9.43	12.23
3250 gal.	17343	140		15	0.0	0.00	0.04	42	485	3.47	3.51	90	1045	7.47	5014	602	4.30	0.10		0.00	11.86	15.37
3750 gal.	23342	140		15	0.0	0.00	0.04	42	653	4.67	4.71	90	1407	10.05	6748	810	5.78	0.13		0.00	15.96	20.67
4500 gal.	29013	140		15	0.0	0.00	0.04	42	812	5.80	5.84	90	1749	12.49	8388	1007	7.19	0.16		0.00	19.84	25.68
High Dump Silage Wagon																						
630 cu.ft.	8632	160		20	0.0	0.00	0.03	86	372	2.32	2.35	95	409	2.56	2025	243	1.52	0.03	34	0.21	4.32	6.68
730 cu.ft.	9256	160		20	0.0	0.00	0.03	86	399	2.49	2.52	95	439	2.74	2171	261	1.63	0.04	36	0.22	4.63	7.15
930 cu.ft.	12688	160		20	0.0	0.00	0.03	86	547	3.42	3.45	95	601	3.76	2977	357	2.23	0.05	38	0.23	6.28	9.72

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Wagon with tires																						
3 ton	625	100		20	0.0	0.00	0.03	47	15	0.15	0.18	94	30	0.30	155	19	0.19	0.00	34	0.34	0.83	1.00
5 ton	949	100		20	0.0	0.00	0.03	47	22	0.22	0.25	94	45	0.45	236	28	0.28	0.01	34	0.34	1.08	1.33
7 ton	1265	100		20	0.0	0.00	0.03	47	30	0.30	0.33	94	60	0.60	314	38	0.38	0.01	36	0.36	1.34	1.67
9 ton	1313	100		20	0.0	0.00	0.03	47	31	0.31	0.34	94	62	0.62	326	39	0.39	0.01	38	0.38	1.40	1.73
10 ton	1590	100		20	0.0	0.00	0.03	47	37	0.37	0.40	94	75	0.75	395	47	0.47	0.01	38	0.38	1.61	2.01
12 ton	2315	100		20	0.0	0.00	0.03	47	54	0.54	0.57	94	109	1.09	575	69	0.69	0.02	38	0.38	2.17	2.75

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Truck And Truck Equipment																						
Gasoline Trucks*																						
1/2t 6 cyl	10883	180		15	2.6	3.12	0.47	69	501	2.79	6.37	90	656	3.64	3146	378	2.10	0.05	38	0.21	6.00	12.37
8 cyl	11632	180		15	2.8	3.36	0.50	69	536	2.98	6.84	90	701	3.89	3363	404	2.24	0.05	38	0.21	6.40	13.24
3/4t 6 cyl	11723	180		15	3.3	3.96	0.59	69	540	3.00	7.55	90	707	3.93	3389	407	2.26	0.05	38	0.21	6.44	14.00
8 cyl	12286	180		15	3.6	4.32	0.65	69	566	3.14	8.11	90	740	4.11	3552	426	2.37	0.05	38	0.21	6.74	14.86
1 ton	12958	180		15	3.8	4.56	0.68	69	597	3.32	8.56	90	781	4.34	3746	450	2.50	0.06	54	0.30	7.19	15.75
3 ton	22263	180		15	5.5	6.60	0.99	69	1026	5.70	13.29	90	1342	7.45	6436	772	4.29	0.10	69	0.38	12.22	25.51
tandem	38652	180		15	6.7	8.04	1.21	69	1781	9.89	19.14	90	2329	12.94	11174	1341	7.45	0.17	72	0.40	20.96	40.10
Diesel Truck																						
tandem	47239	180		15	6.0	6.90	1.03	69	2176	12.09	20.03	90	2847	15.82	13657	1639	9.10	0.21	72	0.40	25.53	45.55
h.d tandem	75538	180		15	8.7	10.00	1.50	69	3480	19.33	30.84	90	4552	25.29	21838	2621	14.56	0.33	72	0.40	40.58	71.42

* Equipped with heavy duty shocks, heavy duty battery(ies), block heater, high output heater, radio, mirrors, power steering, power brakes, antifreeze, spare wheel and tire;
1/2 ton - 4800 - 6100 GVW with 4-speed transmission;
3/4 ton - 6400 - 8600 GVW with 4-speed transmission;
1 ton - 10000 GVW - as above plus dual rear tires;
3 ton - 24000 GVW with 5-speed transmission, 2-speed rear axle;
tandem - 43000 - 50000 GVW with 5x4 transmission, shutters, dual fuel tanks, diesel with cold start, air brakes;

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Truck Hoist - Hydraulic																						
Tons																						
7	995	40		15	0.0	0.00	0.04	8	5	0.14	0.18	90	60	1.50	288	35	0.86	0.02		0.00	2.38	2.56
9	1532	40		15	0.0	0.00	0.04	8	8	0.21	0.25	90	92	2.31	443	53	1.33	0.03		0.00	3.67	3.92
10	1585	40		15	0.0	0.00	0.04	8	9	0.22	0.26	90	96	2.39	458	55	1.37	0.03		0.00	3.79	4.05
15	1881	40		15	0.0	0.00	0.04	8	10	0.26	0.30	90	113	2.83	544	65	1.63	0.04		0.00	4.50	4.80
18-20	2131	40		15	0.0	0.00	0.04	8	12	0.29	0.33	90	128	3.21	616	74	1.85	0.04		0.00	5.10	5.43
21-25	3237	40		15	0.0	0.00	0.04	8	18	0.44	0.48	90	195	4.88	936	112	2.81	0.06		0.00	7.75	8.23
25-30	3435	40		15	0.0	0.00	0.04	8	19	0.47	0.51	90	207	5.18	993	119	2.98	0.07		0.00	8.22	8.73
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
35" Sides																						
7' x 10'	1080	130		15	0.0	0.00		45	33	0.25	0.25	90	65	0.50	312	37	0.29	0.01		0.00	0.80	1.05
7' x 12'	1305	130		15	0.0	0.00		45	39	0.30	0.30	90	79	0.60	377	45	0.35	0.01		0.00	0.96	1.26
8' x 12'	1348	130		15	0.0	0.00		45	41	0.31	0.31	90	81	0.62	390	47	0.36	0.01		0.00	0.99	1.31
8' x 14'	1383	130		15	0.0	0.00		45	42	0.32	0.32	90	83	0.64	400	48	0.37	0.01		0.00	1.02	1.34
8' x 16'	1500	130		15	0.0	0.00		45	45	0.35	0.35	90	90	0.70	434	52	0.40	0.01		0.00	1.10	1.45
8' x 18'	1642	130		15	0.0	0.00		45	50	0.38	0.38	90	99	0.76	475	57	0.44	0.01		0.00	1.21	1.59
8' x 20'	1843	130		15	0.0	0.00		45	56	0.43	0.43	90	111	0.85	533	64	0.49	0.01		0.00	1.36	1.79
8' x 22'	1930	130		15	0.0	0.00		45	58	0.45	0.45	90	116	0.89	558	67	0.52	0.01		0.00	1.42	1.87

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
40" Sides																						
7' x 10'	1110	130		15	0.0	0.00		45	33	0.26	0.26	90	67	0.51	321	39	0.30	0.01		0.00	0.82	1.08
7' x 12'	1326	130		15	0.0	0.00		45	40	0.31	0.31	90	80	0.61	383	46	0.35	0.01		0.00	0.98	1.28
8' x 12'	1374	130		15	0.0	0.00		45	41	0.32	0.32	90	83	0.64	397	48	0.37	0.01		0.00	1.01	1.33
8' x 14'	1445	130		15	0.0	0.00		45	44	0.34	0.34	90	87	0.67	418	50	0.39	0.01		0.00	1.06	1.40
8' x 16'	1570	130		15	0.0	0.00		45	47	0.36	0.36	90	95	0.73	454	54	0.42	0.01		0.00	1.16	1.52
8' x 18'	1722	130		15	0.0	0.00		45	52	0.40	0.40	90	104	0.80	498	60	0.46	0.01		0.00	1.27	1.67
8' x 20'	1933	130		15	0.0	0.00		45	58	0.45	0.45	90	116	0.90	559	67	0.52	0.01		0.00	1.42	1.87
8' x 22'	2030	130		15	0.0	0.00		45	61	0.47	0.47	90	122	0.94	587	70	0.54	0.01		0.00	1.50	1.97
45" Sides																						
7' x 10'	1140	130		15	0.0	0.00		45	34	0.26	0.26	90	69	0.53	330	40	0.30	0.01		0.00	0.84	1.10
7' x 12'	1373	130		15	0.0	0.00		45	41	0.32	0.32	90	83	0.64	397	48	0.37	0.01		0.00	1.01	1.33
8' x 12'	1423	130		15	0.0	0.00		45	43	0.33	0.33	90	86	0.66	411	49	0.38	0.01		0.00	1.05	1.38
8' x 14'	1500	130		15	0.0	0.00		45	45	0.35	0.35	90	90	0.70	434	52	0.40	0.01		0.00	1.10	1.45
8' x 16'	1633	130		15	0.0	0.00		45	49	0.38	0.38	90	98	0.76	472	57	0.44	0.01		0.00	1.20	1.58
8' x 18'	1794	130		15	0.0	0.00		45	54	0.42	0.42	90	108	0.83	519	62	0.48	0.01		0.00	1.32	1.74
8' x 20'	2015	130		15	0.0	0.00		45	61	0.47	0.47	90	121	0.93	583	70	0.54	0.01		0.00	1.48	1.95
8' x 22'	2165	130		15	0.0	0.00		45	65	0.50	0.50	90	130	1.00	626	75	0.58	0.01		0.00	1.59	2.10

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
50" Sides																						
7' x 10'	1170	130		15	0.0	0.00		45	35	0.27	0.27	90	71	0.54	338	41	0.31	0.01		0.00	0.86	1.13
7' x 12'	1421	130		15	0.0	0.00		45	43	0.33	0.33	90	86	0.66	411	49	0.38	0.01		0.00	1.05	1.38
8' x 12'	1469	130		15	0.0	0.00		45	44	0.34	0.34	90	89	0.68	425	51	0.39	0.01		0.00	1.08	1.42
8' x 14'	1555	130		15	0.0	0.00		45	47	0.36	0.36	90	94	0.72	450	54	0.41	0.01		0.00	1.15	1.51
8' x 16'	1696	130		15	0.0	0.00		45	51	0.39	0.39	90	102	0.79	490	59	0.45	0.01		0.00	1.25	1.64
8' x 18'	1865	130		15	0.0	0.00		45	56	0.43	0.43	90	112	0.86	539	65	0.50	0.01		0.00	1.37	1.81
8' x 20'	2097	130		15	0.0	0.00		45	63	0.49	0.49	90	126	0.97	606	73	0.56	0.01		0.00	1.54	2.03
8' x 22'	2219	130		15	0.0	0.00		45	67	0.52	0.52	90	134	1.03	642	77	0.59	0.01		0.00	1.63	2.15
55" Sides																						
7' x 10'	1200	130		15	0.0	0.00		45	36	0.28	0.28	90	72	0.56	347	42	0.32	0.01		0.00	0.88	1.16
7' x 12'	1458	130		15	0.0	0.00		45	44	0.34	0.34	90	88	0.68	422	51	0.39	0.01		0.00	1.07	1.41
8' x 12'	1512	130		15	0.0	0.00		45	46	0.35	0.35	90	91	0.70	437	52	0.40	0.01		0.00	1.11	1.46
8' x 14'	1615	130		15	0.0	0.00		45	49	0.37	0.37	90	97	0.75	467	56	0.43	0.01		0.00	1.19	1.56
8' x 16'	1759	130		15	0.0	0.00		45	53	0.41	0.41	90	106	0.82	509	61	0.47	0.01		0.00	1.30	1.70
8' x 18'	1936	130		15	0.0	0.00		45	58	0.45	0.45	90	117	0.90	560	67	0.52	0.01		0.00	1.43	1.88
8' x 20'	2178	130		15	0.0	0.00		45	66	0.51	0.51	90	131	1.01	630	76	0.58	0.01		0.00	1.60	2.11
8' x 22'	2355	130		15	0.0	0.00		45	71	0.55	0.55	90	142	1.09	681	82	0.63	0.01		0.00	1.73	2.28

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
60" Sides																						
7' x 9'	1230	130		15	0.0	0.00		45	37	0.29	0.29	90	74	0.57	356	43	0.33	0.01		0.00	0.91	1.19
7' x 12'	1496	130		15	0.0	0.00		45	45	0.35	0.35	90	90	0.69	432	52	0.40	0.01		0.00	1.10	1.45
8' x 12'	1560	130		15	0.0	0.00		45	47	0.36	0.36	90	94	0.72	451	54	0.42	0.01		0.00	1.15	1.51
8' x 14'	1668	130		15	0.0	0.00		45	50	0.39	0.39	90	101	0.77	482	58	0.45	0.01		0.00	1.23	1.62
8' x 16'	1823	130		15	0.0	0.00		45	55	0.42	0.42	90	110	0.85	527	63	0.49	0.01		0.00	1.34	1.77
8' x 18'	2007	130		15	0.0	0.00		45	61	0.47	0.47	90	121	0.93	580	70	0.54	0.01		0.00	1.48	1.94
8' x 20'	2260	130		15	0.0	0.00		45	68	0.52	0.52	90	136	1.05	653	78	0.60	0.01		0.00	1.66	2.19
8' x 22'	2405	130		15	0.0	0.00		45	73	0.56	0.56	90	145	1.11	695	83	0.64	0.01		0.00	1.77	2.33
35" Sides																						
8.5' x 10'	1195	130		15	0.0	0.00		45	36	0.28	0.28	90	72	0.55	345	41	0.32	0.01		0.00	0.88	1.16
8.5' x 12'	1437	130		15	0.0	0.00		45	43	0.33	0.33	90	87	0.67	415	50	0.38	0.01		0.00	1.06	1.39
8.5' x 14'	1467	130		15	0.0	0.00		45	44	0.34	0.34	90	88	0.68	424	51	0.39	0.01		0.00	1.08	1.42
8.5' x 16'	1689	130		15	0.0	0.00		45	51	0.39	0.39	90	102	0.78	488	59	0.45	0.01		0.00	1.24	1.64
8.5' x 18'	1765	130		15	0.0	0.00		45	53	0.41	0.41	90	106	0.82	510	61	0.47	0.01		0.00	1.30	1.71
8.5' x 20'	1975	130		15	0.0	0.00		45	60	0.46	0.46	90	119	0.92	571	69	0.53	0.01		0.00	1.45	1.91
8.5' x 22'	2126	130		15	0.0	0.00		45	64	0.49	0.49	90	128	0.99	615	74	0.57	0.01		0.00	1.57	2.06

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal/hr	fuel $/hr	lube $/hr	repairs •/•	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
40" Sides																						
8.5' x 10'	1225	130		15	0.0	0.00		45	37	0.28	0.28	90	74	0.57	354	42	0.33	0.01		0.00	0.90	1.19
8.5' x 12'	1449	130		15	0.0	0.00		45	44	0.34	0.34	90	87	0.67	419	50	0.39	0.01		0.00	1.07	1.40
8.5' x 14'	1549	130		15	0.0	0.00		45	47	0.36	0.36	90	93	0.72	448	54	0.41	0.01		0.00	1.14	1.50
8.5' x 16'	1702	130		15	0.0	0.00		45	51	0.40	0.40	90	103	0.79	492	59	0.45	0.01		0.00	1.25	1.65
8.5' x 18'	1848	130		15	0.0	0.00		45	56	0.43	0.43	90	111	0.86	534	64	0.49	0.01		0.00	1.36	1.79
8.5' x 20'	2067	130		15	0.0	0.00		45	62	0.48	0.48	90	125	0.96	598	72	0.55	0.01		0.00	1.52	2.00
8.5' x 22'	2221	130		15	0.0	0.00		45	67	0.52	0.52	90	134	1.03	642	77	0.59	0.01		0.00	1.64	2.15
45" Sides																						
8.5' x 10'	1255	130		15	0.0	0.00		45	38	0.29	0.29	90	76	0.58	363	44	0.33	0.01		0.00	0.92	1.22
8.5' x 12'	1496	130		15	0.0	0.00		45	45	0.35	0.35	90	90	0.69	432	52	0.40	0.01		0.00	1.10	1.45
8.5' x 14'	1604	130		15	0.0	0.00		45	48	0.37	0.37	90	97	0.74	464	56	0.43	0.01		0.00	1.18	1.55
8.5' x 16'	1750	130		15	0.0	0.00		45	53	0.41	0.41	90	105	0.81	506	61	0.47	0.01		0.00	1.29	1.70
8.5' x 18'	1919	130		15	0.0	0.00		45	58	0.45	0.45	90	116	0.89	555	67	0.51	0.01		0.00	1.41	1.86
8.5' x 20'	2149	130		15	0.0	0.00		45	65	0.50	0.50	90	130	1.00	621	75	0.57	0.01		0.00	1.58	2.08
8.5' x 22'	2346	130		15	0.0	0.00		45	71	0.54	0.54	90	141	1.09	678	81	0.63	0.01		0.00	1.73	2.27

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
50" Sides																						
8.5' x 10'	1285	130		15	0.0	0.00		45	39	0.30	0.30	90	77	0.60	371	45	0.34	0.01		0.00	0.95	1.24
8.5' x 12'	1544	130		15	0.0	0.00		45	47	0.36	0.36	90	93	0.72	446	54	0.41	0.01		0.00	1.14	1.50
8.5' x 14'	1659	130		15	0.0	0.00		45	50	0.39	0.39	90	100	0.77	480	58	0.44	0.01		0.00	1.22	1.61
8.5' x 16'	1813	130		15	0.0	0.00		45	55	0.42	0.42	90	109	0.84	524	63	0.48	0.01		0.00	1.34	1.76
8.5' x 18'	1990	130		15	0.0	0.00		45	60	0.46	0.46	90	120	0.92	575	69	0.53	0.01		0.00	1.47	1.93
8.5' x 20'	2231	130		15	0.0	0.00		45	67	0.52	0.52	90	134	1.03	645	77	0.60	0.01		0.00	1.64	2.16
8.5' x 22'	2383	130		15	0.0	0.00		45	72	0.55	0.55	90	144	1.10	689	83	0.64	0.01		0.00	1.76	2.31
55" Sides																						
8.5' x 10'	1315	130		15	0.0	0.00		45	40	0.31	0.31	90	79	0.61	380	46	0.35	0.01		0.00	0.97	1.27
8.5' x 12'	1577	130		15	0.0	0.00		45	48	0.37	0.37	90	95	0.73	456	55	0.42	0.01		0.00	1.16	1.53
8.5' x 14'	1719	130		15	0.0	0.00		45	52	0.40	0.40	90	104	0.80	497	60	0.46	0.01		0.00	1.27	1.67
8.5' x 16'	1876	130		15	0.0	0.00		45	57	0.44	0.44	90	113	0.87	542	65	0.50	0.01		0.00	1.38	1.82
8.5' x 18'	2061	130		15	0.0	0.00		45	62	0.48	0.48	90	124	0.96	596	72	0.55	0.01		0.00	1.52	2.00
8.5' x 20'	2312	130		15	0.0	0.00		45	70	0.54	0.54	90	139	1.07	668	80	0.62	0.01		0.00	1.70	2.24
8.5' x 22'	2513	130		15	0.0	0.00		45	76	0.58	0.58	90	151	1.16	727	87	0.67	0.02		0.00	1.85	2.43

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Wooden equipped with lights, mud flaps, paint, ladder, stock racks																						
60" Sides																						
8.5' x 10'	1345	130		15	0.0	0.00		45	41	0.31	0.31	90	81	0.62	389	47	0.36	0.01		0.00	0.99	1.30
8.5' x 12'	1614	130		15	0.0	0.00		45	49	0.37	0.37	90	97	0.75	467	56	0.43	0.01		0.00	1.19	1.56
8.5' x 14'	1772	130		15	0.0	0.00		45	53	0.41	0.41	90	107	0.82	512	61	0.47	0.01		0.00	1.31	1.72
8.5' x 16'	1940	130		15	0.0	0.00		45	59	0.45	0.45	90	117	0.90	561	67	0.52	0.01		0.00	1.43	1.88
8.5' x 18'	2132	130		15	0.0	0.00		45	64	0.49	0.49	90	128	0.99	616	74	0.57	0.01		0.00	1.57	2.07
8.5' x 20'	2389	130		15	0.0	0.00		45	72	0.55	0.55	90	144	1.11	691	83	0.64	0.01		0.00	1.76	2.31
8.5' x 22'	2621	130		15	0.0	0.00		45	79	0.61	0.61	90	158	1.22	758	91	0.70	0.02		0.00	1.93	2.54
Grain Box - Steel equipped with lights, mud flaps, paint, ladder, stock racks																						
48" Sides																						
8' x 14'	1895	130		15	0.0	0.00		45	57	0.44	0.44	90	114	0.88	548	66	0.51	0.01		0.00	1.40	1.84
8' x 16'	2305	130		15	0.0	0.00		45	70	0.54	0.54	90	139	1.07	666	80	0.62	0.01		0.00	1.70	2.23
8' x 18'	2781	130		15	0.0	0.00		45	84	0.65	0.65	90	168	1.29	804	96	0.74	0.02		0.00	2.05	2.69
8' x 20'	2964	130		15	0.0	0.00		45	89	0.69	0.69	90	179	1.37	857	103	0.79	0.02		0.00	2.18	2.87
8' x 22'	3365	130		15	0.0	0.00		45	102	0.78	0.78	90	203	1.56	973	117	0.90	0.02		0.00	2.48	3.26
8' x 24'	3777	130		15	0.0	0.00		45	114	0.88	0.88	90	228	1.75	1092	131	1.01	0.02		0.00	2.78	3.66

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal/hr	fuel $/hr	lube $/hr	repairs %/•	repairs $/yr	repairs $/hr	total per hour	FIXED COSTS: depreciation %/•	depreciation $/yr	depreciation $/hr	interest ave value	interest $/yr	interest $/hr	ins $/hr	housing $/yr	housing $/hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Steel equipped with lights, mud flaps, paint, ladder, stock racks																						
60" Sides																						
8' x 16'	2760	130		15	0.0	0.00		45	83	0.64	0.64	90	166	1.28	798	96	0.74	0.02		0.00	2.03	2.67
8' x 18'	3044	130		15	0.0	0.00		45	92	0.71	0.71	90	183	1.41	880	106	0.81	0.02		0.00	2.24	2.95
8' x 20'	3289	130		15	0.0	0.00		45	99	0.76	0.76	90	198	1.52	951	114	0.88	0.02		0.00	2.42	3.19
8' x 22'	3688	130		15	0.0	0.00		45	111	0.86	0.86	90	222	1.71	1066	128	0.98	0.02		0.00	2.72	3.57
8' x 24'	4129	130		15	0.0	0.00		45	125	0.96	0.96	90	249	1.91	1194	143	1.10	0.03		0.00	3.04	4.00
48" Sides																						
8.5' x 14'	2317	130		15	0.0	0.00		45	70	0.54	0.54	90	140	1.07	670	80	0.62	0.01		0.00	1.71	2.24
8.5' x 16'	2517	130		15	0.0	0.00		45	76	0.58	0.58	90	152	1.17	728	87	0.67	0.02		0.00	1.85	2.44
8.5' x 18'	2806	130		15	0.0	0.00		45	85	0.65	0.65	90	169	1.30	811	97	0.75	0.02		0.00	2.07	2.72
8.5' x 20'	3112	130		15	0.0	0.00		45	94	0.72	0.72	90	188	1.44	900	108	0.83	0.02		0.00	2.29	3.01
8.5' x 22'	3674	130		15	0.0	0.00		45	111	0.85	0.85	90	221	1.70	1062	127	0.98	0.02		0.00	2.71	3.56
8.5' x 24'	3937	130		15	0.0	0.00		45	119	0.91	0.91	90	237	1.83	1138	137	1.05	0.02		0.00	2.90	3.81
54" Sides																						
8.5' x 18'	3140	130		15	0.0	0.00		45	95	0.73	0.73	90	189	1.46	908	109	0.84	0.02		0.00	2.31	3.04
8.5' x 20'	3375	130		15	0.0	0.00		45	102	0.78	0.78	90	203	1.56	976	117	0.90	0.02		0.00	2.49	3.27
8.5' x 22'	3735	130		15	0.0	0.00		45	113	0.87	0.87	90	225	1.73	1080	130	1.00	0.02		0.00	2.75	3.62
8.5' x 24'	4045	130		15	0.0	0.00		45	122	0.94	0.94	90	244	1.88	1169	140	1.08	0.02		0.00	2.98	3.92

TABLE 6

implement	ave cash price	annual use hrs	annual use acres	est yrs used	VARIABLE COSTS: fuel gal /hr	fuel $/ hr	lube $/ hr	repairs •/•	repairs $/ yr	repairs $/ hr	total per hour	FIXED COSTS: depreciation •/•	depreciation $/ yr	depreciation $/ hr	interest ave value	interest $/ yr	interest $/ hr	ins $/ hr	housing $/ yr	housing $/ hr	total per hour	TOTAL COSTS per hour
col. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Grain Box - Steel equipped with lights, mud flaps, paint, ladder, stock racks																						
60" Sides																						
8.5' x 16'	2693	130		15	0.0	0.00		45	81	0.63	0.63	90	162	1.25	779	93	0.72	0.02		0.00	1.98	2.61
8.5' x 18'	3230	130		15	0.0	0.00		45	97	0.75	0.75	90	195	1.50	934	112	0.86	0.02		0.00	2.38	3.13
8.5' x 20'	3477	130		15	0.0	0.00		45	105	0.81	0.81	90	210	1.61	1005	121	0.93	0.02		0.00	2.56	3.37
8.5' x 22'	3896	130		15	0.0	0.00		45	118	0.90	0.90	90	235	1.81	1126	135	1.04	0.02		0.00	2.87	3.77
8.5' x 24'	4350	130		15	0.0	0.00		45	131	1.01	1.01	90	262	2.02	1258	151	1.16	0.03		0.00	3.20	4.21

SECTION III

Machinery Options

Machinery sold in Alberta includes the basic or standard options listed at the bottom of the appropriate pages in Section 2. The cost of this equipment is included in the average cash price and was considered before averaging the prices obtained from the implement dealer. Generally, deviation from the average price of a particular size machine is a reflection of the inclusion or exclusion of certain options. The following list may be useful when comparing similar machines and/or their prices. Price ranges are given where options are available on a wide range of machine sizes.

TABLE 7

TRACTOR EQUIPMENT LISTING BY H.P. CLASS[8]

TRACTORS: 2 WHEEL DRIVE: - Options Included

20-29 HP - Standard Transmission
Swinging Drawbar
11.2 x 24 rear

30-39 HP - As above plus:
13.6 x 28 rear
3 pt. hitch

40-49 HP - As above plus:
Differential Lock
Power Steering
13.6 x 28 rear

50-59 HP - As above plus:
16.9 x 28 rear

60-69 HP - As above plus:
1 Remote Hydraulic

70-80 HP - As above plus:
18.4 x 34 rear

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8 Based on July, 1985 Information.

TRACTORS: 2 WHEEL DRIVE: - Options Included - CONT'D

81-90 HP - As above:

91-99 HP - As above:

100-110 HP - As above plus:
Cab with heat, Air Conditioning
Dual Remote Hydraulics
Turbocharged
18.4 x 38 rear tires

120-129 HP - As above:

130-139 HP - As above

140-149 HP - As above

150-159 HP - As above

160-179 HP - As above plus:
20.8 x 38 Dual Rear Tires

180-190 HP - As above

TRACTORS: 4 WHEEL DRIVE: - Options Included

70 HP - Standard Transmission
Power Steering
Dual Remote Hydraulics
Independent PTO
3 Point Hitch
Ether Start
11.2 x 24 Tires

176-214 HP - As above plus:
Cab with Heater, Air-Conditioning
Dual 18.4 x 38 Tires

215-239 HP - As above

240-260 HP - As above

261-280 HP - As above plus:
Differential Lock
Triple Remote Hydraulics

281-300 HP Dual 20.8 x 38 Tires

301-350 HP - As above

351-470 HP - As above

LAWN AND GARDEN TRACTORS: - Options Included

Electric Start
Lights Above 10 HP
Minimum One Drive for Attachments
Less Attachments
Less Sales Tax

BALER

Hydraulic Bale Tension Unit	$ 710
1/4 Turn Chute	$ 220

BALE MOVER - SELF-PROPELLED

Air-conditioning	$1,913
Remote Control Kit	$ 488

COMBINES - SELF PROPELLED: - Options Included

Class 1	- Cab with heat	
	- Monitors	
	- Chopper	
Class 2	- As above plus:	
	- Stone Trap	
	- Cab with Air Conditioning	
Class 3	- As above	
Class 4	- As above plus:	
	- Hydrostatic Drive	
Class 5	- As above	
Options	- Hydrostatic Drive	$ 4,475 - $6,650
	- Corn Headers - 4 Row	$15,445
	- 6 Row	$20,137
	- 8 Row	$28,527
	- Grain Headers	13' - $11,400
		15' - $11,810
		16' - $11,960
		18' - $12,400
		20' - $12,850
		22' - $13,050
		24' - $13,300
		30' - $14,600

COMBINE - PULL-TYPE: - Options Included

- Stone Trap
- Chopper
- Monitors

COMBINE AXIAL FLOW: - Options Included

- Straw Spreader
- Cab with Heat, Air-Conditioning
- Monitors

HERBICIDE APPLICATOR

2 - Nozzle	-$118
4 - Nozzle	-$223
6 - Nozzle	-$319

DISCS

Cone Blade	Plain	Notched
26 x 7mm	$18.20	--
26 x 8mm	$36.35	$45.10

DISC BLADE

26 x 7mm	$16.70	--
26 x 8mm	$31.80	$40.60

Regreaseable Self-aligning bearing in Cast Steel Housing	$ 28.00
Heavy Duty Regreaseable Self-aligning Bearings in Cast Steel Housing	$ 55.00
Hanger Assembly	$166.00

DRILL FILL

Double Acting valve with rope shut-off	$ 89.00
Electric Solenoid Hydraulic Valve	$ 69.00

FORAGE BLOWER		
Blower Pipe 9" Diameter - 6' Long (set of 4)		$310
Blower Pipe 9" Diameter - 6' Long (set of 8)		$620
Telescoping Pipe Section		$75
FORAGE HARVESTER		
Corn Header	- 2-row	$5,104
	- 3-row	$9,387
	- 4-row	$19,184
Magnet		$126
Loading Auger		$1,313
Auger Base Attachment		$3,235
Automatic Hitch		$114
GRAIN AUGER		
"Poly hopper" - 51" diam.		$118
Hydraulic Winch		$442
P.T.O. Shaft		$280
MOLDBOARD PLOWS		
Tandem Hitch		$1,500
MOWER CONDITIONER		
Lateral Transport Kit		$400
Crop Divider		$131
Cutter Bar Wearplate		$106
MIX MILL		
Electric Scale		$2,350
Auger Feed		$1,150
MANURE SPREADER		
Upper Beater		$539
Slurry Manure Pan		$377
Splash Guard		$110
Hyraulic Fluid Manure End Gate		$980

MIXER - FEEDER WAGON	
Electronic Scale	$2,500-$3,329
Bunk Guards	$119
PNEUMATIC GRAIN MOVER	
6" x 8' Flexible Polyurethane hose for Clean-up	$330
6" x 12' Flexible Polyurethane hose for Clean-up	$415
Hose Accessories	$95
RE-CIRCULATING BATCH DRYER	
Grain Cleaner	$290
Loading Hopper - Stationary	$565
Loading Hopper - Swinging	$770
ROLLER MILL	
6' Unloading Auger Extension	$191
9' Unloading Auger Extension	$337
Removeable Hopper Cover	$57
Swivel Arc Kit	$ 132
SKID-STEER LOADER	
Lights	$95
Heavy Duty Air Cleaner Kit	$235
Auxiliary Boom Hydraulic Kit	$438
Transmission Heater Kit	$83
SPRAYER	
Hydraulic Drive Centrifugal Pump Package	$532
Chemical 'mix-n-fil' tank	$272
P.T.O. Drive Kit -540 r.p.m.	$616
P.T.O. Drive Kit - 1000 r.p.m.	$696

SELF-PROPELLED SWATHER

Cab	$1,425
Cab with Air Conditioning	$1,800
Diesel Motor	$5,000
Per Foot of Platform	$425
Crimper	$3,300
Pick-up Reel	$1,800
Swather Transport	$1,865

"V" Ditcher

Wing Extension Kit	$92
Mechanical Screw Jack	$130

TRUCK - Options Included

1/2 Ton (4,800 - 6,100 GVW)

Rear Step Bumper
Rear Grip Tires
Heavy Duty Shocks
Gauges
High Output Heater
Mirrors
Radio
Lighter
Power Steering
Power Brakes
4 Speed Transmission
Antifreeze

3/4 Ton (6,400-8,600 GVW)

As Above Plus:
Spare Tire (extra cost)

1 Ton (10,000 GVW)

Cab and Chassis only
As Above Plus:
Dual Rear Tires
Block Heaters

3 Ton (24,000 - 28,000 GVW)

As Above Plus:
5 Speed Transmission
2 Speed Rear Axle

Tandem (34,000 - 50,000 GVW)

Gas
Air or Power Brakes
5 X 4 Transmisssion
Shutters
Dual Fuel Tank
Antifreeze
Heavy Duty Springs
Heavy Duty Shocks
Block Heaters
Power Steering
AM/FM Cassette
Heavy Duty Alternator, Custom Cab
Guages, Lighted dual stainless steel mirrors

Options:

Full Air Brakes	$3,312
High output Heater	$180
Air Conditioning	$955
As Above Plus:	
Cold Start	

TRUCK - Option Price List

1/2 Ton	- Power Steering	$332	Heavy Duty Alternator $80
	- Power Brakes	$122	Heavy Duty Battery $69
	- Automatic Transmission	$700	
	- 4 Speed	$245	
	- 3 Speed	STANDARD	
	- Auxiliary Tank	$367	
	- AM/FM Radio Tape		
	- Player	$217	
	- Air Conditioning	$961	
	- Block Heater	$86	
3/4 Ton	- Rear Step Bumper	$152	Automatic Overdrive - $906
	- V-8	$569	Engine Oil Cooler - $75
	- Spare Wheel w/Tire	$369	
	- Automatic	$700	
1 Ton	- Automatic	$711	
	- Spare Tire	$369	
	- Rear Grip Tires	$80	

Truck Hoist

Installation	$300 - $600

Grain Truck Box

Stock Racks	12'	$400
	14'	$460
	16'	$510
	18'	$546
	20'	$593
	22'	$654
	24'	$700

Classification of Combine Sizes

Combines have been placed into either four or five classes depending on the cleaning and separating areas as reported by the Implement and Tractor Red Book, the Guide to Combine Specifications, August, 1981 in "Grainews" and according to information reported by implement sales organizations and farmers. The grouping should be considered as approximate only as varying combinations of conditions may favour one particular machine at one time and another at a different time.

Combines - Self-Propelled

Conventional:

Class 1 - Total separating and cleaning area:		7,000-10,000 in^2
	cleaning area:	3,000-4,000 in^2
Class 2 - Total separating and cleaning area:		10,000-11,000 in^2
	cleaning area:	4,000-5,000 in^2
Class 3 - Total separating and cleaning area:		11,000-15,000 in^2
	cleaning area	5,000-5,500 in^2
Class 4 - Total separating and cleaning area over:		15,000-16,500 in^2
	cleaning area over:	5,500-6,500 in^2
Class 5 - Total separating and cleaning area over:		16,500 in^2
	cleaning area over:	6,500 in^2

Rotary:

Class 1: 135 - 155 hp

Class 2: 170 - 190 hp

Class 3: 210 - 220 hp

Class 4: 225 - 270 hp

Combines - Pull-Type

Conventional:

Class 1 - Total separating and cleaning area:	9,000-11,000 in^2
cleaning area:	3,500-4,500 in^2
Class 2 - Total separating and cleaning area:	11,000-13,000 in^2
cleaning area:	4,500-5,500 in^2

Rotary:

Class 1: 130 hp

TABLE 8

MACHINE EFFICIENCIES AND PERFORMANCE

MACHINE	FIELD EFFICIENCY		SPEED TRAVEL AND PERFORMANCE	
	Range (%)	Typical (%)	Range (m.p.h.)	Typical (m.p.h.)
TILLAGE MACHINES				
Chisel Plow	70 - 90	85	4.0 - 6.5	4.5
Econorod	70 - 85	80	4.0 - 5.0	4.5
Field Cultivator	70 - 90	85	3.0 - 8.0	5.5
Mulcher	70 - 90	80	4.0 - 6.0	5.0
Roller Packer	70 - 90	85	4.7 - 7.5	6.0
Discer	70 - 90	85	3.5 - 6.0	4.5
Disc: Tandem	70 - 90	80	3.0 - 6.0	4.0
Offset	70 - 90	85	3.5 - 6.0	4.5
Drawbar (Harrow)	70 - 90	85	3.0 - 6.0	5.0
Rod Weeder	70 - 90	80	4.0 - 6.0	5.0
Moldboard Plow	70 - 90	80	3.0 - 6.0	4.5
Rotary Tiller	70 - 90	85	1.0 - 4.5	3.0
Stubble Treader	70 - 90	80	4.0 - 6.0	5.0
PLANTING				
No-Till Tillage	50 - 75	65	2.0 - 4.0	3.0
Conventional Tillage	50 - 75	60	3.0 - 7.0	4.5
Grain Drill	65 - 85	70	2.5 - 6.0	4.0
ROW CROP EQUIPMENT				
Cultivator	70 - 90	80	2.5 - 5.0	3.5
Harvester:				
Sugar Beet	60 - 80	70	2.5 - 5.0	3.0
Sweet Corn	60 - 70	65	1.0 - 3.0	2.5
Potato	55 - 70	60	1.5 - 4.0	2.0

TABLE 8 - Cont'd

MACHINE	FIELD EFFICIENCY		SPEED TRAVEL AND PERFORMANCE	
	Range (%)	Typical (%)	Range (m.p.h.)	Typical (m.p.h.)
ROW CROP EQUIPMENT (Cont'd)				
Defoliator	60 - 80	70	2.0 - 3.0	2.5
Top Saver	60 - 80	70	2.0 - 3.0	2.5
Ridger	70 - 90	80	2.0 - 5.0	3.6
Thinner	80 - 90	85	3.5 - 5.0	4.0
Sprayer	50 - 80	65	3.0 - 7.0	6.5
Potato Piler			40-60 Tons/Hr.	45 Tons/Hr.
Potato Scooper			40-60 Tons/Hr.	45 Tons/Hr.
Potato Seed Cutter	36"		4-5 Tons/Hr.	-
HAY MACHINERY				
Baler	60 - 85	75	5-10 Tons/Hr.	5.5
Bale Elevator	60 - 80	70	30-50 Tons/Hr.	-
Bale Wagon	75 - 85	80	3.0 - 6.0	4.5
Forage Box	50 - 80	60	5-10 Tons/Hr.	-
Forage Blower			20-30 Tons/Hr.	-
Forage Chopper	50 - 75	65	5-10 Tons/Hr.	6.0
Forage Harvester				
-Pull-Type	50 - 75	65	1.5 - 5.0	2.5
-Self-Propelled	60 - 85	70	1.5 - 6.0	3.0
Hay Stacker	60 - 90	75	7-24 Tons/Hr.	-
Hay Stacking Wagon	65 - 80	75	9-15 Tons/Hr.	-
Mower	75 - 85	80	4.0 - 7.0	5.0
Mower Conditioner	55 - 80	75	3.0 - 6.0	4.5
Rake	70 - 85	80	4.0 - 5.0	4.5
Stack Mover			5-10 Tons/Hr.	-
Swather (Forage)	75 - 85	80	5.0 - 7.0	5.5
GRAIN HARVEST MACHINES				
Combine: S.P.	65 - 80	70	2.0 - 5.0	3.0
P.T.O.	60 - 75	65	2.0 - 5.0	3.0
Corn Header	60 - 75	65	2.0 - 4.0	2.5
Swather: Grain				
Pull Type	60 - 80	70	4.0 - 6.0	4.2
S.P.	75 - 85	80	5.0 - 7.0	5.5

TABLE 8 - (Cont'd)

MACHINE	FIELD EFFICIENCY		SPEED TRAVEL AND PERFORMANCE	
	Range (%)	Average (%)	Range (M.P.H.)	TYPICAL (M.P.H.)
IRRIGATION EQUIPMENT				
Ditcher	80 - 90	85	2.0 - 4.0	3.0
Ditch Filler	80 - 90	85	2.0 - 4.0	3.0
Land Leveller	80 - 90	85	2.0 - 4.0	3.0
Land Plane	80 - 95	90	4.0 - 5.0	4.5
FEEDING AND FEED HANDLING EQUIPMENT				
Mixer Mill			7-10 Tons/Hr.	
Mixer Feeder Wagon			5-10 Tons/Hr.	
Roller Mill			180-660 Bus./Hr.	
Stack Feeder			10-20 Tons/Hr.	
Tub-mill			10-20 Tons/Hr.	
MISCELLANEOUS MACHINES				
			Bu. /Hr.	
Auger: 4"[9]			150 - 270	210.0
5"			250 - 650	450.0
6"			520 - 740	620.0
7"			700 -1000	850.0
8"			925 -1145	1135.0
10"			2500-4000	3000.0
Grain Dryers			150 - 250	200.0
			350 - 500	400.0
			650 - 750	700.0
			Over 800	
Packer	70 - 90	85	4.5 - 7.5	6.0
Sprayer: -Field	50 - 80	65	3.0 - 7.0	6.5
-SP Sprayer			15 - 20 mph	16.0
Spreader:				
Dry Fertilizer	60 - 75	70	3.0 - 5.0	4.0
Herbicide Appli.	60 - 75	70	3.0 - 5.0	4.0

9 Bushels of wheat per hour at 40° elevation.

TABLE 8 - (Cont'd)

MACHINE	FIELD EFFICIENCY		SPEED TRAVEL AND PERFORMANCE	
	Range (%)	Average (%)	Range	TYPICAL
Manure Spreader	70 - 80	75	3.0 - 5.0	4.0
Sub Soiler	70 - 90	80	3.5 - 6.0	4.5
Anhydrous NH Ammonia	55 - 65	60	3.5 - 5.5	5.0
Rotary Chopper	65 - 85	70	3.5 - 6.5	5.0
Fertilizer Spreader	60 - 70	70	3.0 - 5.0	4.5

TABLE 9

ACRES PER HOUR AT 1 MILE PER HOUR FOR VARIOUS FIELD EFFICIENCIES

WIDTH IN FEET	FIELD EFFICIENCY (%)							
	55	60	65	70	75	80	85	90
1	.07	.07	.08	.08	.09	.10	.10	.11
2	.13	.14	.16	.17	.18	.19	.20	.22
3	.20	.22	.23	.25	.27	.29	.31	.32
4	.26	.29	.31	.34	.36	.38	.41	.43
5	.34	.37	.40	.43	.46	.49	.52	.55
6	.40	.44	.47	.51	.55	.58	.62	.66
7	.47	.51	.55	.60	.64	.68	.72	.77
8	.53	.58	.63	.68	.73	.78	.82	.87
9	.60	.65	.71	.76	.82	.87	.93	.98
10	.67	.73	.79	.85	.91	.97	1.03	1.09
11	.73	.80	.86	.93	1.00	1.06	1.13	1.20
12	.80	.87	.94	1.02	1.09	1.16	1.23	1.31
13	.87	.95	1.03	1.11	1.19	1.26	1.34	1.42
14	.94	1.02	1.11	1.19	1.28	1.36	1.45	1.53
15	1.00	1.09	1.18	1.27	1.37	1.46	1.55	1.64
16	1.07	1.16	1.26	1.36	1.46	1.55	1.65	1.75
17	1.13	1.24	1.34	1.44	1.55	1.65	1.75	1.85
18	1.20	1.31	1.42	1.53	1.64	1.74	1.85	1.96
19	1.27	1.38	1.50	1.61	1.73	1.84	1.96	2.07
20	1.33	1.45	1.57	1.69	1.82	1.94	2.06	2.18
21	1.40	1.53	1.66	1.79	1.91	2.04	2.17	2.30
22	1.47	1.60	1.74	1.87	2.00	2.14	2.27	2.40
23	1.53	1.67	1.81	1.95	2.09	2.23	2.37	2.51
24	1.60	1.75	1.89	2.04	2.18	2.33	2.47	2.62
25	1.67	1.82	1.97	2.12	2.27	2.42	2.58	2.73
26	1.73	1.89	2.05	2.21	2.36	2.52	2.68	2.84
27	1.80	1.96	2.13	2.29	2.45	2.62	2.78	2.94
28	1.86	2.03	2.20	2.37	2.54	2.71	2.88	3.05
29	1.94	2.11	2.29	2.46	2.64	2.82	2.99	3.17
30	2.00	2.18	2.37	2.55	2.73	2.91	3.09	3.28

TABLE 9 - Cont'd

WIDTH[10] IN FEET	FIELD EFFICIENCY (%)							
	55	60	65	70	75	80	85	90
31	2.07	2.26	2.44	2.63	2.82	3.01	3.20	3.38
32	2.13	2.33	2.52	2.72	2.91	3.10	3.30	3.44
33	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60
34	2.27	2.47	2.68	2.88	3.09	3.30	3.50	3.71
35	2.33	2.54	2.76	2.97	3.18	3.39	3.60	3.82
36	2.40	2.62	2.83	3.05	3.27	3.49	3.71	3.92
37	2.46	2.69	2.91	3.14	3.36	3.58	3.81	4.03
38	2.54	2.77	3.00	3.23	3.46	3.69	3.92	4.15
39	2.60	2.84	3.07	3.31	3.55	3.78	4.02	4.26
40	2.67	2.91	3.15	3.40	3.64	3.88	4.12	4.37
41	2.74	2.98	3.23	3.48	3.73	3.98	4.22	4.48
42	2.80	3.06	3.32	3.58	3.82	4.08	4.34	4.60
43	2.87	3.13	3.38	3.65	3.91	4.17	4.43	4.69
44	2.94	3.20	3.48	3.74	4.00	4.28	4.54	4.80
45	3.01	3.28	3.55	3.83	4.10	4.37	4.64	4.92
46	3.07	3.35	3.62	3.91	4.19	4.46	4.74	5.03
47	3.14	3.42	3.70	4.00	4.28	4.56	4.84	5.14
48	3.20	3.50	3.78	4.08	4.36	4.66	4.94	5.24
49	3.27	3.56	3.86	4.16	4.46	4.75	5.05	5.35
50	3.34	3.64	3.94	4.24	4.54	4.84	5.16	5.46
51	3.40	3.71	4.01	4.33	4.64	4.94	5.25	5.57
52	3.46	3.78	4.10	4.42	4.72	5.04	5.36	5.68
53	3.54	3.86	4.18	4.51	4.83	5.14	5.46	5.79
54	3.60	3.92	4.26	4.58	4.90	5.24	5.56	5.88
55	3.67	4.00	4.33	4.67	5.01	5.34	5.67	6.01
56	3.72	4.06	4.40	4.74	5.08	5.42	5.76	6.10
57	3.80	4.15	4.49	4.84	5.19	5.53	5.87	6.22
58	3.88	4.22	4.58	4.92	5.28	5.64	5.98	6.34
59	3.94	4.29	4.65	5.01	5.37	5.72	6.08	6.44
60	4.00	4.36	4.74	5.10	5.46	5.82	6.18	6.56

10 For widths over 60' add two or more field efficiency factors together.

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SOURCES OF FARM MACHINERY PRICES

Agro Equipment Ltd.
Calgary, Alberta

Alberta Farm Building Sales Ltd.
Edmonton, Alberta

Alberta All Terrain Vehicles
Edmonton, Alberta

Alberta Cycle
Edmonton, Alberta

Alberta Wheat Pool Ltd.
Edmonton, Alberta

Alberta Wheat Pool Ltd.
Calgary, Alberta

Alderson Equipment Ltd.
Fort Saskatchewan, Alberta

Allied Farm Equipment Ltd.
Edmonton, Alberta

Alteen Distributors Ltd.
Wetaskiwin, Alberta

Argo Sports Centre Ltd.
Edmonton, Alberta

Armand Truck & Body Works Ltd.
Edmonton, Alberta

Blanchard Ltd.
Saskatoon, Saskatchewan

Brandon Petroleum Ltd.
Edmonton, Alberta

Bridge Farm Centre Ltd.
Lethbridge, Alberta

Calgary Ag. Power
Calgary, Alberta

Canadian Home Insurance Co.
Edmonton, Alberta

Carruthers Implements Ltd.
Edmonton, Alberta

Case Power & Equipment Ltd.
Calgary, Alberta

Case Power & Equipment Ltd.
Morinville, Alberta

Chalifoux Motors Ltd.
Falher, Alberta

Cheetah Cycle
Edmonton, Alberta

Chinook Farm Equipment
Lethbridge, Alberta

Co-op Implements
Vegreville, Alberta

Custom Hoist & Truck Body Ltd.
Edmonton, Alberta

DCD Industries Ltd.
Edmonton, Alberta

Deerland Farm Equipment
Fort Saskatchewan, Alberta

Evcon Farm Equipment Ltd.
Lethbridge, Alberta

F.N. Pneumatic Manufacturing
Carseland, Alberta

Grassland Equipment Ltd.
Hanna, Alberta

Green Power Ltd.
Taber, Alberta

Hauser Tractor & Equipment Ltd.
Calgary, Alberta

Hauser Tractor & Equipment Ltd.
Edmonton, Alberta

Healy Ford
Edmonton, Alberta

Imperial Oil Ltd.
Edmonton, Alberta

SOURCES OF FARM MACHINERY PRICES (Cont'd)

Imperial Oil Ltd.
Fort Saskatchewan, Alberta

International Truck
Edmonton, Alberta

Jupiter Farm Equipment Ltd.
Lethbridge, Alberta

K & M Farm Equipment
Morinville, Alberta

Kirchner Machine Ltd.
Lethbridge, Alberta

Kuelker Manufacturing
Didsbury, Alberta

Lethbridge Truck Equipment Ltd.
Lethbridge, Alberta

Major Irrigation
Lethbridge, Alberta

Manark Industrial Sales
Edmonton, Alberta

Maran Equipment Ltd.
Edmonton, Alberta

Martin Farm Equipment
Edmonton, Alberta

McKay Brothers Ltd.
Lethbridge, Alberta

Milliken Farm Supplies Ltd.
Taber, Alberta

New Holland Edmonton
Edmonton, Alberta

New Way Irrigation
Taber, Alberta

Nicholson Chevrolet
Edmonton, Alberta

Oliver Agricultural Supply
Lethbridge, Alberta

Oliver Agricultural Supply
Edmonton, Alberta

Orlak Equipment Ltd.
Lamont, Alberta

O & R Irrigation
Taber, Alberta

Parkland Farm Equipment Ltd.
Stony Plain, Alberta

Pederson Farm Equipment
Rockyford, Alberta

Prairie Bob Cat Sales & Service
Edmonton, Alberta

Rainchief Irrigation & Equip., Ltd.
Lethbridge, Alberta

Ranch Hands Const. & Consulting Ltd.
Leduc, Alberta

Renn Sales Ltd.
Edmonton, Alberta

Revelstoke Companies Ltd.
Edmonton, Alberta

R. H. House International Equipment
Lethbridge, Alberta

Riverside Sales Ltd.
St. Albert, Alberta

Scona Cycle
Edmonton, Alberta

Selmac Sales Ltd.
Stony Plain, Alberta

Suburban Equipment and Supply Ltd.
Edmonton, Alberta

The Co-operators Insurance Co. Ltd.
Edmonton, Alberta

Thompson's Vac Sales & Service Ltd.
Calgary, Alberta

SOURCES OF FARM MACHINERY PRICES (Cont'd)

United Farmers of Alberta Co-op Ltd.
Edmonton, Alberta

United Farmers of Alberta Co-op Ltd.
Spruce Grove, Alberta

Vertec Industries
Vermilion, Alberta

Victory Equipment Ltd.
Lethbridge, Alberta

Waskatenau Motors Ltd.
Waskatenau, Alberta

Wawanesa Mutual Insurance Co. Ltd.
Edmonton, Alberta

Westeel-Rosco Ltd.
Edmonton, Alberta

Western GMC Ltd.
Edmonton, Alberta

Western Yamaha
Edmonton, Alberta

Wheat Belt Industries Ltd.
Calgary, Alberta